Form 3160-3 (September 2001)							
DEPARTMENT OF THE IN BUREAU OF LAND MANAG	NTERI			5. Lease Serial No. UTU-	035521		
APPLICATION FOR PERMIT TO DE				6. If Indian, Allottee or Tribe Name N/A			
1a. Type of Work: 🗵 DRILL 🔲 REENTER	R			7. If Unit or CA Agreement, Name and No. Jonah Unit			
1b. Type of Well: Oil Well Gas Well Other	į	Single Zone	ole Zone	8. Lease Name and Well No. Jonah Federal S-12-9-16			
Name of Operator Newfield Production Company				9. API Well No. 43-01.	3-34C	9/0	
	3b. Ph	one No. (include area code)		10. Field and Pool, or	Explorator	у	
Route #3 Box 3630, Myton UT 84052		(435) 646-3721		Monument B			
4. Location of Well (Report location clearly and in accordance with a	any Stat	e requirements.*)		11. Sec., T., R., M., or	Blk. and S	urvey or Area	
At surface SE/SE 880' FSL 842' FEL At proposed prod. zone () 1265' FSL 1605' FEL	Sec. 12, T9S	R16E					
14. Distance in miles and direction from nearest town or post office*				12. County or Parish		13. State	
Approximatley 17.4 miles southwest of Myton, Utah				Duchesne		UT	
15. Distance from proposed* location to nearest property or lease line. ft.	16. N	o. of Acres in lease	17. Spacing	g Unit dedicated to this	well		
(Also to nearest drig. unit line, if any) Approx. 1035' t/lse, 1265' t/unit	:	240.00		20 Acres			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1153'				BIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	1	pproximate date work will star	rt*	23. Estimated duration			
5426' GL		Quarter 2008		Approximately seven (7) days	from spud to rig	g release.	
		Attachments					
 The following, completed in accordance with the requirements of Onshor Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System) SUPO shall be filed with the appropriate Forest Service Office). 		4. Bond to cover th Item 20 above). 5. Operator certifica	ne operation nation. specific info	form: s unless covered by an	_	•	
25. Signature	1	Name (Printed/Typed)			Date		
1/ lambo rous		Mandie Crozier			6/20/0	8	
Title Regulatory Specialist Approved by Signature	·1	Name (Driver I/T I)			Doto		
That Will	!	Name (Printed/Typed) BRADLEY			Date	-07-08	
Title	i !	Office ENVIRONMENTAL	L MANAGI	ER			
Application approval does not warrant or certify the the applicant holds le operations thereon. Conditions of approval, if any, are attached.	egal or e	quitable title to those rights in	the subject l	ease which would entitle	e the applic	ant to conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it states any false, fictitious or fraudulent statements or representations as to	a crime any ma	for any person knowingly and tter within its jurisdiction.	d willfully to	make to any departme	nt or agend	cy of the United	

*(Instructions on reverse)

Sur f 580140x 44324684 40.040532 -110-060630 Federal Approval of this BHU Action is Necessary

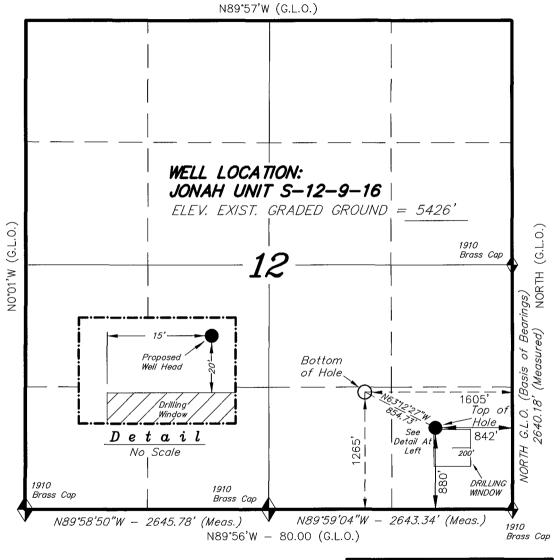
57905X 4432582Y 40.641582

- 110-063363

RECEIVED JUN 2 5 2008

DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.



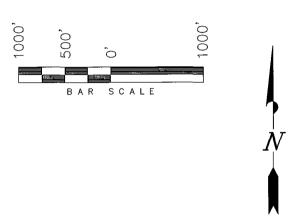
\$

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE) JONAH UNIT S-12-9-16 (Surface Location) NAD 83 LATITUDE = 40° 02' 25.83" LONGITUDE = 110° 03' 40.87"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT S-12-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT OF A AROUND PROJECT WAS PREPARED FROM FIELD OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPPRESSION AND THAT THE SAME ARE TRUE AND SORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF No.189377



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

*	
DATE SURVEYED: 12-01-07	SURVEYED BY: T.H.
DATE DRAWN: 12-14-07	DRAWN BY: F.T.M.
REVISED: 02-19-08 L.C.S.	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY JONAH FEDERAL S-12-9-16 AT SURFACE: SE/SE SECTION 12, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. <u>GEOLOGIC SURFACE FORMATION:</u>

Uinta formation of Upper Eocene Age

2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

Uinta 0' – 1378' Green River 1378' Wasatch 5980'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1378' - 5980' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:</u>

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. <u>AUXILIARY SAFETY EQUIPMENT TO BE USED:</u>

Please refer to the Monument Butte Field SOP.

8. <u>TESTING, LOGGING AND CORING PROGRAMS:</u>

Please refer to the Monument Butte Field SOP.

9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:</u>

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY JONAH FEDERAL S-12-9-16 AT SURFACE: SE/SE SECTION 12, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal S-12-9-16 located in the SE 1/4 SE 1/4 Section 12, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 3.3 miles \pm to it's junction with an existing road to the north; proceed northerly - 1.1 miles \pm to it's junction with the beginning of the access road to the existing Jonah Federal 16-12-9-16 well location.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Jonah Federal 16-12-9-16 well pad. See attached **Topographic Map "B"**.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Jonah Federal 16-12-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal S-12-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District Water Right: 43-10136

Neil Moon Pond

Water Right: 43-11787

Maurice Harvey Pond Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

The proposed Jonah Federal S-12-9-16 will be drilled off of the existing Jonah Federal 16-12-9-16 well pad. No additional surface disturbance will be required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

 SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Nonr for the proposed Jonah Federal S-12-9-16

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	Elymus Elymoides	6 lbs/acre
Siberian Wheatgrass	Agropyron Fragile	2 lbs/acre
Gardner Saltbush	Atriplex Gardneri	1 lbs/acre
Shadscale	Atriplex Confertifolia	1 lbs/acre
Fourwing Saltbush	Atriplex Canescens	1 lbs/acre
Scarlet Globemallow	Sphaeralcea Conccinea	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Jonah Federal S-12-9-16 was on-sited on 6/11/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name:

Dave Allred

Address:

Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-12-9-16 SE/SE Section 12, Township 9S, Range 16E: Lease UTU-035521 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6/20/08 Date

Mandie Crozier

Regulatory Specialist

Newfield Production Company



Project: Duchesne County, UT NAD83 UTC ,

Site: Jonah Unit

Well: Jonah Unit S-12-9-16

Wellbore: OH

Design: Plan #1



ewfield Exploration Co.

Azimuths to True North Magnetic North: 11.70

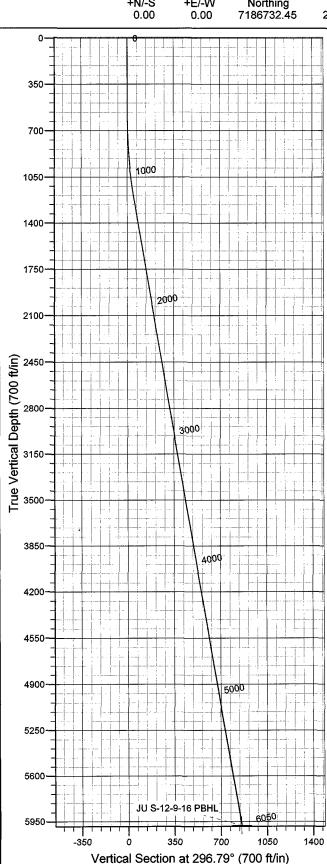
Magnetic Field Strength: 52603.9snT Dip Angle: 65.88° Date: 2008-04-2 Model: IGRF2005-10

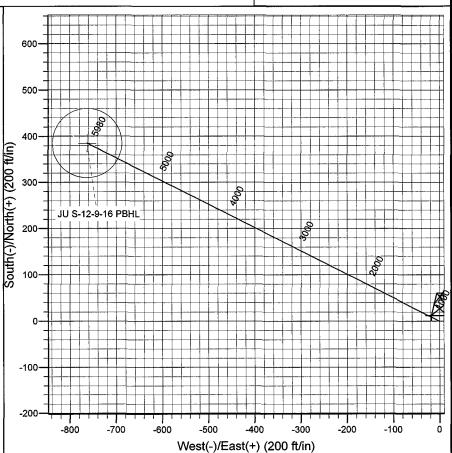
WELL DETAILS: Jonah Unit S-12-9-16

+N/-S +E/-W Northing

GL 5426' & RKB 12' @ 5438.00ft 5426.00 Easting Latitude 2043182.68

Longitude 40° 2' 25.830 N 110° 3' 40.870 W





Plan: Plan #1 (Jonah Unit S-12-9-16/OH)

Created By: Julie Cruse Date: 2008-04-23

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983 Datum: North American Datum 1983

Ellipsoid: GRS 1980 Zone: Utah Central Zone

Location:

System Datum: Mean Sea Level

Local North: True

SECTION	DETAILS

MD	ınc	AZI	טעו	+N/-S	+E/-VV	DLeg	Irace	vsec	rarget
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
			1236.25						
6050.19	9.59	296.79	5980.00	385.25	-762.99	0.00	0.00	854.73	JU S-12-9-16 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC Jonah Unit Jonah Unit S-12-9-16 OH

Plan: Plan #1

Standard Planning Report

23 April, 2008

Scientific Drilling

Planning Report

Database:

EDM 2003.16 Multi-User Db

Company:

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Project: Site:

Jonah Unit

Jonah Unit S-12-9-16

Well: Wellbore:

ОН

Plan #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft GL 5426' & RKB 12' @ 5438.00ft

Minimum Curvature

Project

Duchesne County, UT NAD83 UTC

Map System:

US State Plane 1983

Geo Datum: Map Zone:

North American Datum 1983 Utah Central Zone

System Datum:

Mean Sea Level

Site

Jonah Unit.

Site Position:

Lat/Long

Northing:

7,195,384.71 ft

Latitude:

40° 3' 51.060 N

From: Position Uncertainty:

Easting:

2,044,880.81 ft

Longitude:

110° 3' 17.240 W 0.93°

0.00 ft Slot Radius: **Grid Convergence:**

Well

Jonah Unit S-12-9-16, 880' FSL 842' FEL Sec 12 T9S R16E

Well Position

+N/-S +E/-W 0.00 ft 0.00 ft

Northing: Easting:

7,186,732.45 ft 2,043,182.68 ft Latitude: Longitude:

40° 2' 25.830 N 110° 3' 40.870 W

Position Uncertainty

0.00 ft

Wellhead Elevation:

ft

Ground Level:

5,426.00 ft

Wellbore

ОН

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT)

IGRF2005-10

2008-04-23

11.70

65.88

52,604

Design

Plan #1

Audit Notes:

Version:

Phase:

PLAN

Tie On Depth:

0.00

+N/-S

+E/-W

Direction

Vertical Section:

Depth From (TVD) (ft) 0.00

(ft) 0.00

(ft) 0.00

(°) 296.79

Plan Sections					in en in legation Ministra						
Measured Depth (ft)	inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,239.23	9.59	296.79	1,236.25	24.05	-4 7.64	1.50	1.50	0.00	296.79		
6,050.19	9.59	296.79	5,980.00	385.25	-762.99	0.00	0.00	0.00	0.00	JU S-12-9-16 PBH	

Scientific Drilling

Planning Report

Database:

EDM 2003.16 Multi-User Db

Company: Project: Newfield Exploration Co.
Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit

Jonah Unit S-12-9-16

Wellbore: Design: OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft GL 5426' & RKB 12' @ 5438.00ft

True

Minimum Curvature

ed Survey										
Measured			Vertical			Vertical	Dogleg	Build	Turn	
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate	
(ft)	(°)	(*)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	1.50	296.79	699.99	0.59	-1.17	1.31	1.50	1.50	0.00	
800.00	3.00	296,79	799.91	2.36	-4.67	5.23	1.50	1.50	0.00	
900.00	4.50	296.79	899.69	5.31	-10.51	11.77	1.50	1.50	0.00	
1,000.00	6.00	296.79	999.27	9.43	-18.68	20.92	1.50	1.50	0.00	
1,100.00	7.50	296,79	1,098.57	14.73	-29.17	32.68	1.50	1.50	0.00	
	9.00	296.79	1,197.54		-41.98	47.03	1.50	1.50	0.00	
1,200.00				21.20						
1,239.23	9.59	296.79	1,236.25	24.05	-47.64	53,36	1.50	1.50	0.00	
1,300.00	9.59	296.79	1,296.17	28.61	-56.67	63.49	0.00	0.00	0.00	
1,400.00	9.59	296.79	1,394.77	36.12	-71.54	80.14	0.00	0.00	0.00	
1,500.00	9.59	296.79	1,493.38	43.63	-86.41	96.80	0.00	0.00	0.00	
			•			113.46	0.00	0.00	0.00	
1,600.00	9.59	296.79	1,591.98	51.14	-101.28					
1,700.00	9.59	296.79	1,690.58	58.65	-116.15	130.11	0.00	0.00	0.00	
1,800.00	9.59	296.79	1,789.19	66.15	-131.02	146.77	0.00	0.00	0.00	
1,900.00	9.59	296.79	1,887.79	73.66	-145.89	163.43	0.00	0.00	0.00	
2,000.00	9.59	296.79	1,986.39	81.17	-160.76	180.09	0.00	0,00	0.00	
2,100.00	9.59	296.79	2,085.00	88.68	-175.62	196.74	0.00	0.00	0.00	
2,200.00	9.59	296.79	2,183.60	96.18	-190.49	213.40	0.00	0.00	0.00	
2,300.00	9.59	296.79	2,783.00	103.69	-205.36	230.06	0.00	0.00	0.00	
			•							
2,400.00	9.59	296.79	2,380.80	111.20	-220.23	246.71	0.00	0.00	0.00	
2,500.00	9.59	296.79	2,479.41	118.71	-235.10	263.37	0.00	0.00	0.00	
2,600.00	9.59	296.79	2,578.01	126.21	-249.97	280.03	0.00	0.00	0.00	
2,700.00	9.59	296.79	2,676.61	133.72	-264.84	296.68	0.00	0.00	0.00	
2,800.00	9.59	296.79	2,775.22	141.23	-279.71	313.34	0.00	0.00	0.00	
2,900.00	9.59	296.79	2,873.82	148.74	-294.58	330.00	0.00	0.00	0.00	
3,000.00	9.59	296.79	2,972.42	156.25	-309.45	346.66	0.00	0.00	0.00	
3,100.00	9.59	296.79	3,071.02	163.75	-324.32	363.31	0.00	0.00	0.00	
3,200.00	9.59	296.79	3,169,63	171.26	-339.19	379.97	0.00	0.00	0.00	
3,300.00	9.59	296.79	3,268.23	178.77	-354.06	396.63	0.00	0.00	0.00	
· ·										
3,400.00	9.59	296.79	3,366.83	186.28	-368.92	413.28	0.00	0.00	0.00	
3,500.00	9.59	296.79	3,465.44	193.78	-383.79	429.94	0.00	0.00	0.00	
3,600.00	9.59	296.79	3,564.04	201.29	-398.66	446.60	0.00	0.00	0.00	
3,700.00	9.59	296.79	3,662.64	208.80	-413.53	463.26	0.00	0.00	0.00	
3,800.00	9.59	296.79	3,761.25	216.31	-428.40	479.91	0.00	0.00	0.00	
•			•							
3,900.00	9.59	296.79	3,859.85	223.82	-443.27	496.57	0.00	0.00	0.00	
4,000.00	9.59	296.79	3,958.45	231.32	-458.14	513.23	0.00	0.00	0.00	
4,100.00	9.59	296.79	4,057.05	238.83	-4 73.01	529.88	0.00	0.00	0.00	
4,200.00	9.59	296.79	4,155.66	246.34	-487.88	546.54	0.00	0.00	0.00	
4,300.00	9.59	296.79	4,254.26	253.85	-502.75	563,20	0.00	0.00	0.00	
4,400.00	9.59	296.79	4,352.86	261.35	-517.62	579.86	0.00	0.00	0.00	
•					-532.49	596.51	0.00	0.00	0.00	
4,500.00	9.59	296.79	4,451.47	268.86						
4,600.00	9.59	296.79	4,550.07	276.37	-547.36	613.17	0.00	0.00	0.00	
4,700.00	9.59	296.79	4,648.67	283.88	-562.22	629.83	0.00	0.00	0.00	
4,800.00	9.59	296.79	4,747.27	291.38	-577.09	646.48	0.00	0.00	0.00	
4,900,00	9.59	296.79	4,845.88	298.89	-591.96	663.14	0.00	0.00	0.00	
•		296.79 296.79	4,845.88 4,944.48	296.69 306.40	-606.83	679.80	0.00	0.00	0.00	
5,000.00	9.59									
5,100.00	9.59	296.79	5,043.08	313.91	-621.70	696.46	0.00	0.00	0.00	
5,200.00	9.59	296.79	5,141.69	321.42	-636.57	713.11	0.00	0.00	0.00	

Scientific Drilling

Planning Report

Database:

EDM 2003.16 Multi-User Db

Company: Project:

Newfield Exploration Co.
Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit

Jonah Unit S-12-9-16

Wellbore: Design: OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well Jonah Unit S-12-9-16

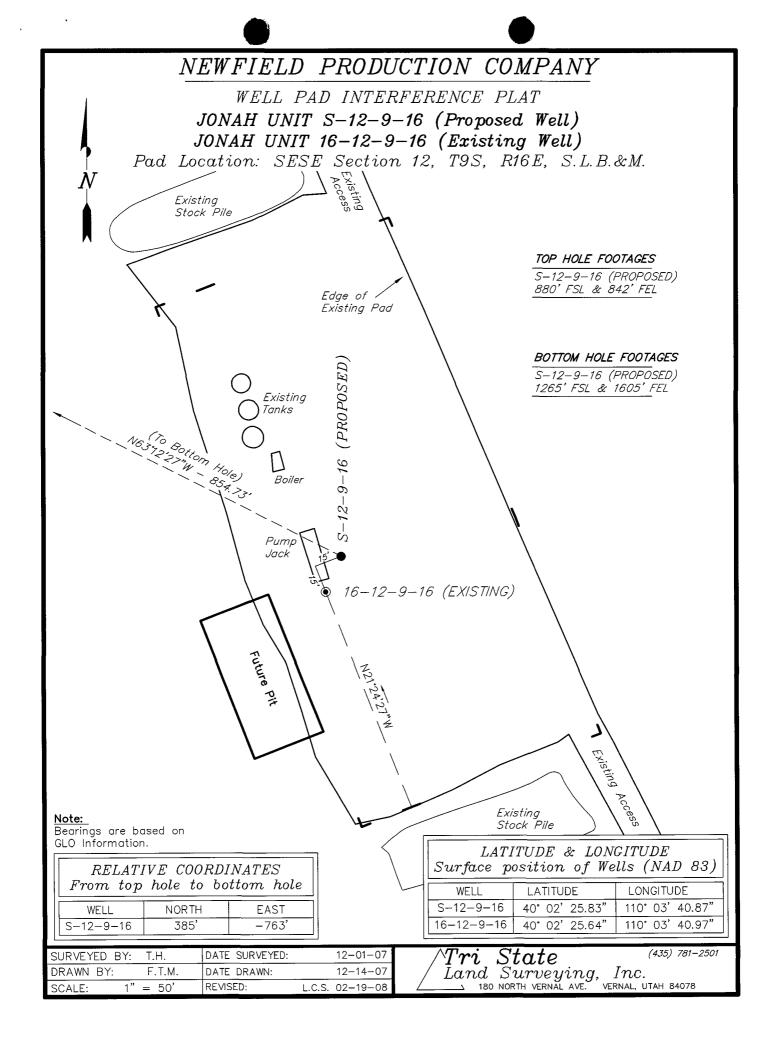
GL 5426' & RKB 12' @ 5438.00ft GL 5426' & RKB 12' @ 5438.00ft

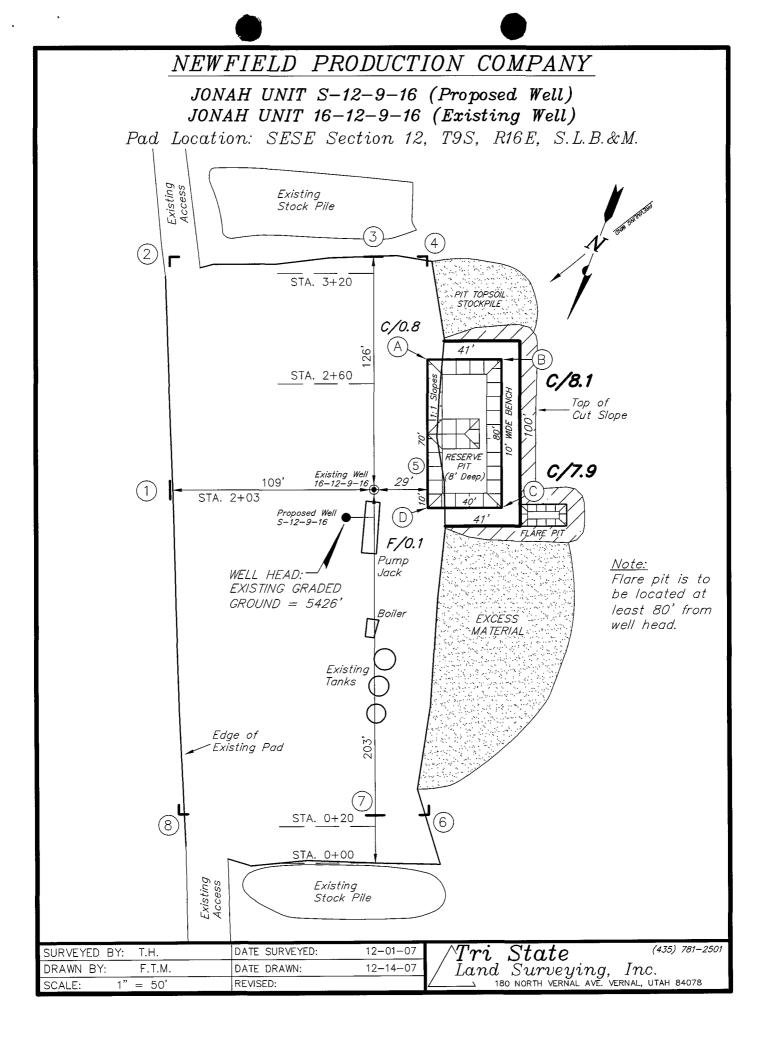
True

Minimum Curvature

ned Survey									
Measured Depth (ft)	inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	9.59	296.79	5,240.29	328.92	-651.44	729.77	0.00	0.00	0.00
5.400.00	9.59	296.79	5,338.89	336.43	-666.31	746.43	0.00	0.00	0.00
5,500.00	9.59	296.79	5,437.50	343.94	-681.18	763.08	0.00	0.00	0.00
5,600.00	9.59	296.79	5,536.10	351.45	-696.05	779.74	0.00	0.00	0.00
5,700.00	9.59	296.79	5,634.70	358.95	-710.92	796.40	0.00	0.00	0.00
5,800.00	9.59	296.79	5,733.30	366.46	-725.79	813.06	0.00	0.00	0.00
5,900.00	9.59	296.79	5,831.91	373.97	-740.65	829.71	0.00	0.00	0.00
6,000.00	9.59	296.79	5,930.51	381.48	-755.52	846.37	0.00	0.00	0.00
6,050,19	9.59	296.79	5,980.00	385.25	-762.99	854.73	0.00	0.00	0.00

Targets				7.		The second second	A STATE OF S		
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitudə
JU S-12-9-16 PBHL - plan hits target cel - Circle (radius 75.0		0.00	5,980.00	385.25	-762.99	7,187,105.38	2,042,413.60	40° 2' 29.637 N	110° 3' 50.681 W

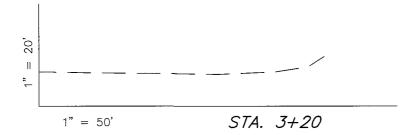


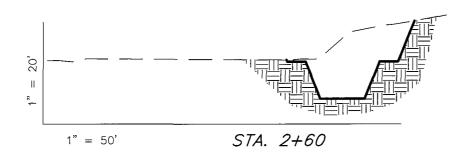


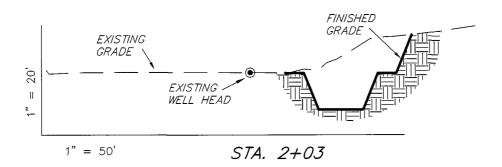
NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT S-12-9-16 (Proposed Well) JONAH UNIT 16-12-9-16 (Existing Well)









STA. 0+20

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

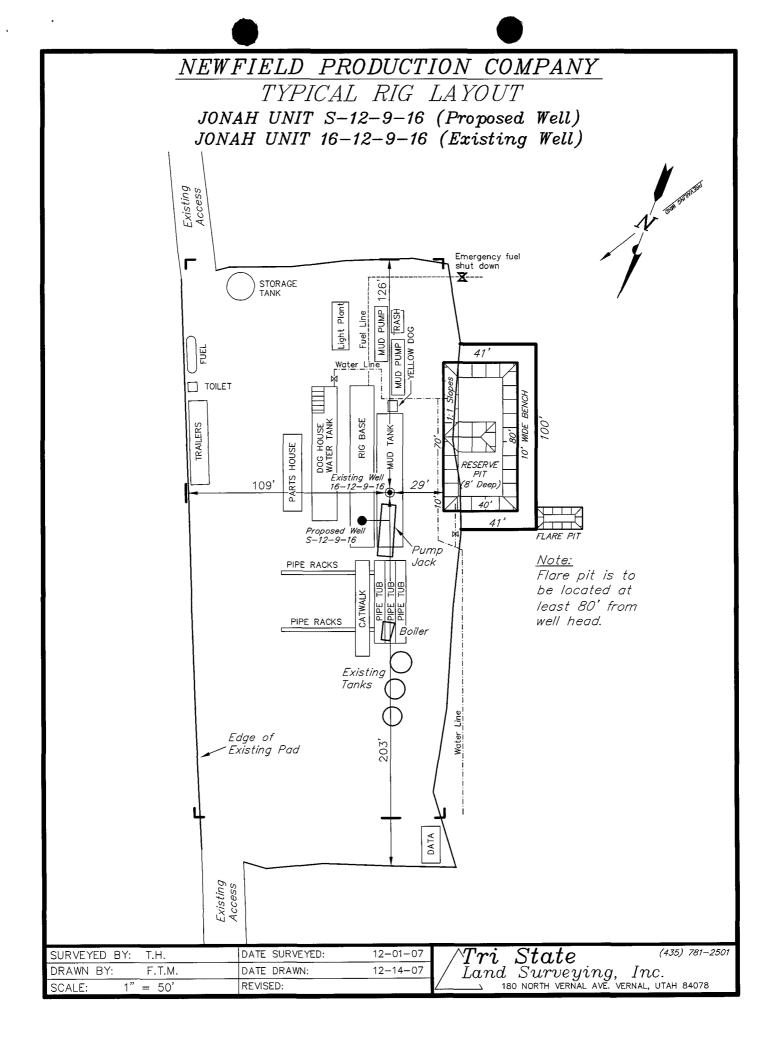
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,320	0	Topsoil is	1,320
PIT	640	0	in Pad Cut	640
TOTALS	1,960	0	150	1,960

NOTE	Ξ:				
UNLE	ESS	OTH	ERWIS	EΝ	OTED
CUT	SLC	PES	ARE	ΑТ	1:1
FILL	SI C	PES	ARE	ΑТ	1.5:1

SURVEYED BY: T.H.	DATE SURVEYED:	12-01-07
	DATE DRAWN:	12-14-07
SCALE: 1" = 50'	REVISED:	

Tri State (435) 781-. Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501



ewfield Production Comparty Proposed Site Facility Diagram

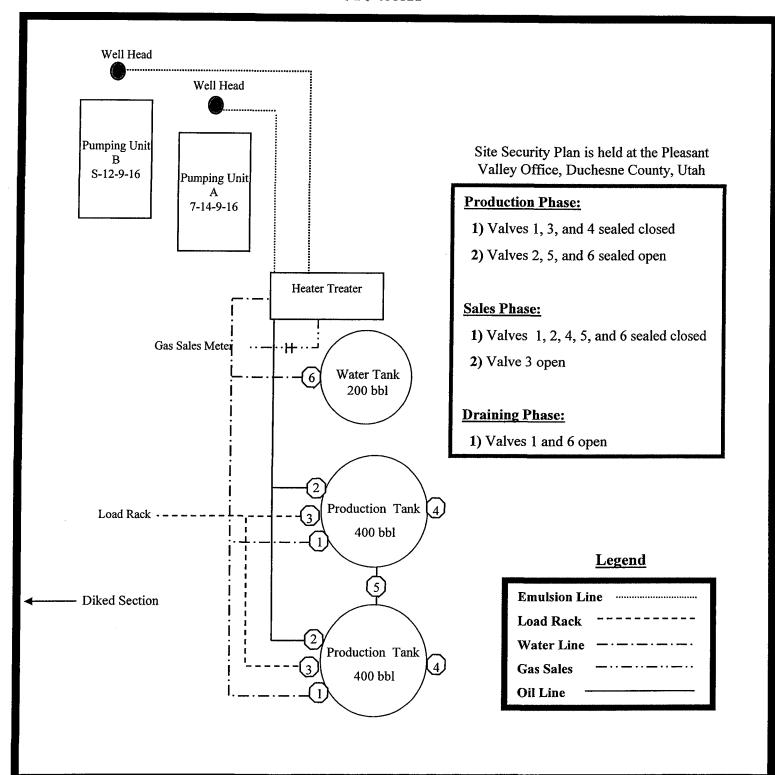
Jonah Federal S-12-9-16

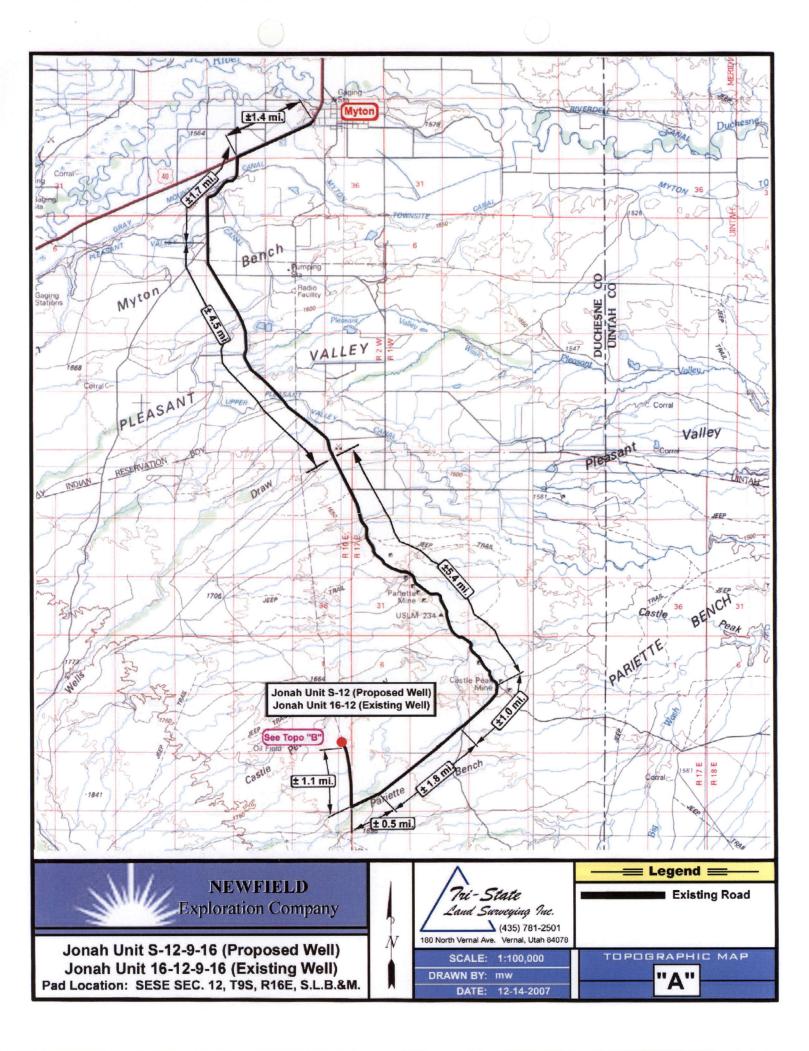
From the 7-14-9-16 Location

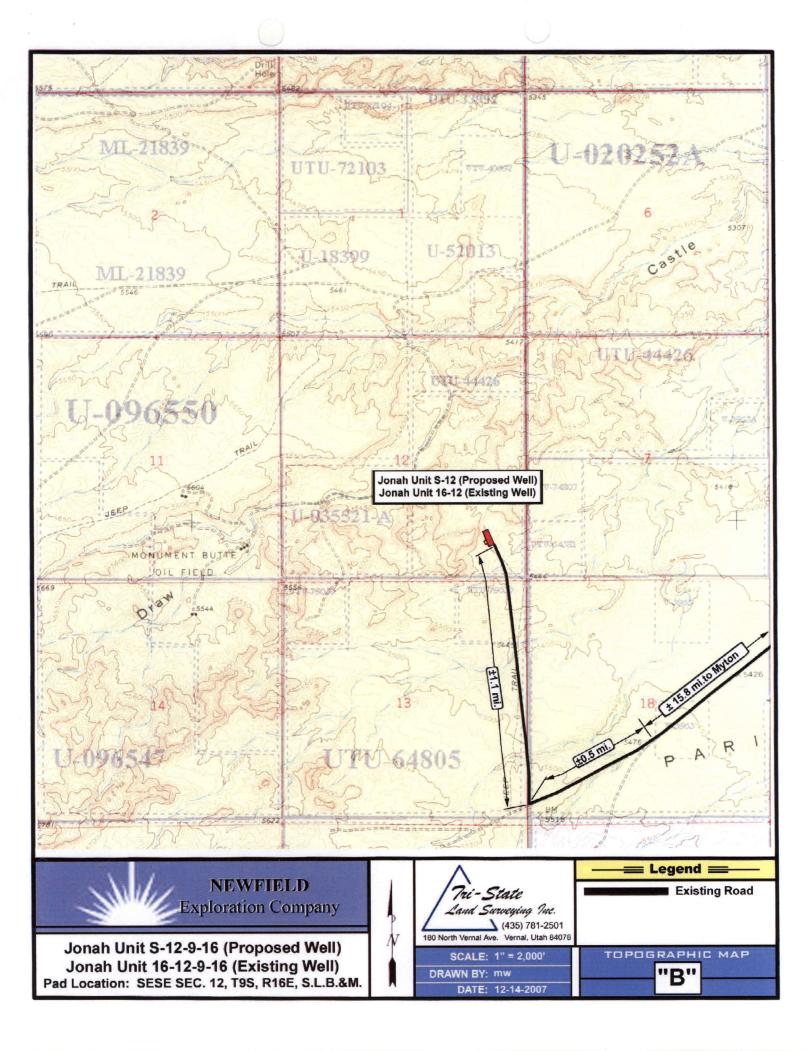
SW/NE Sec. 14 T9S, R16E

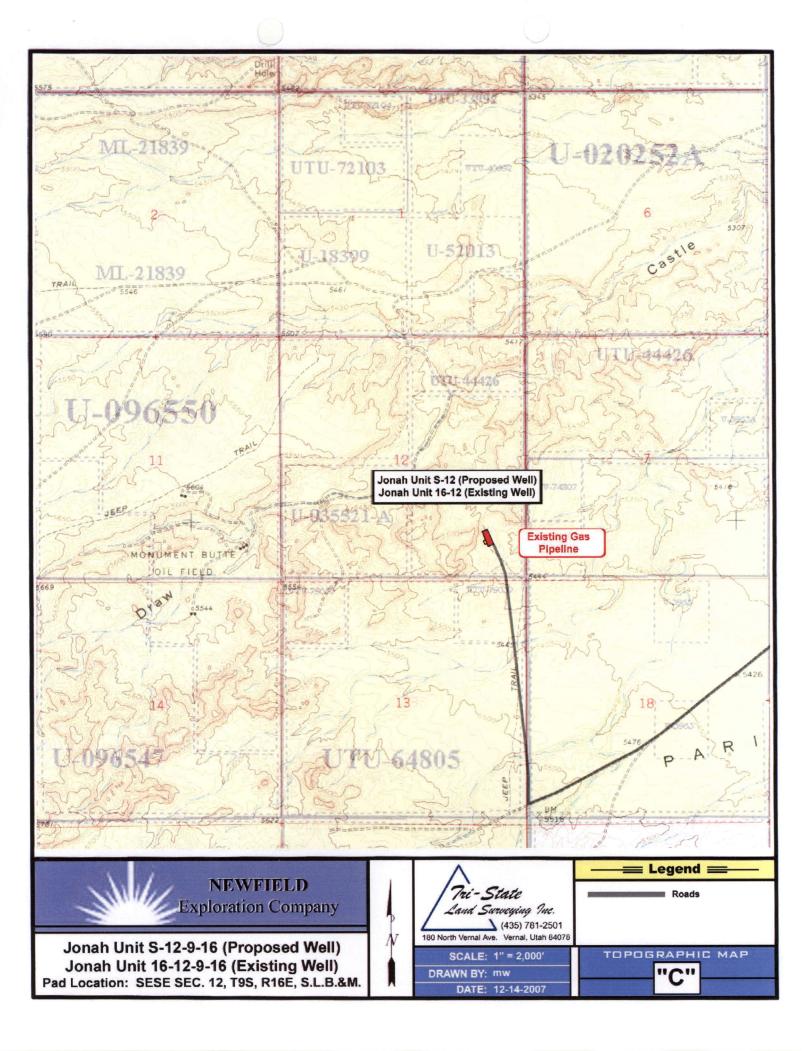
Duchesne County, Utah

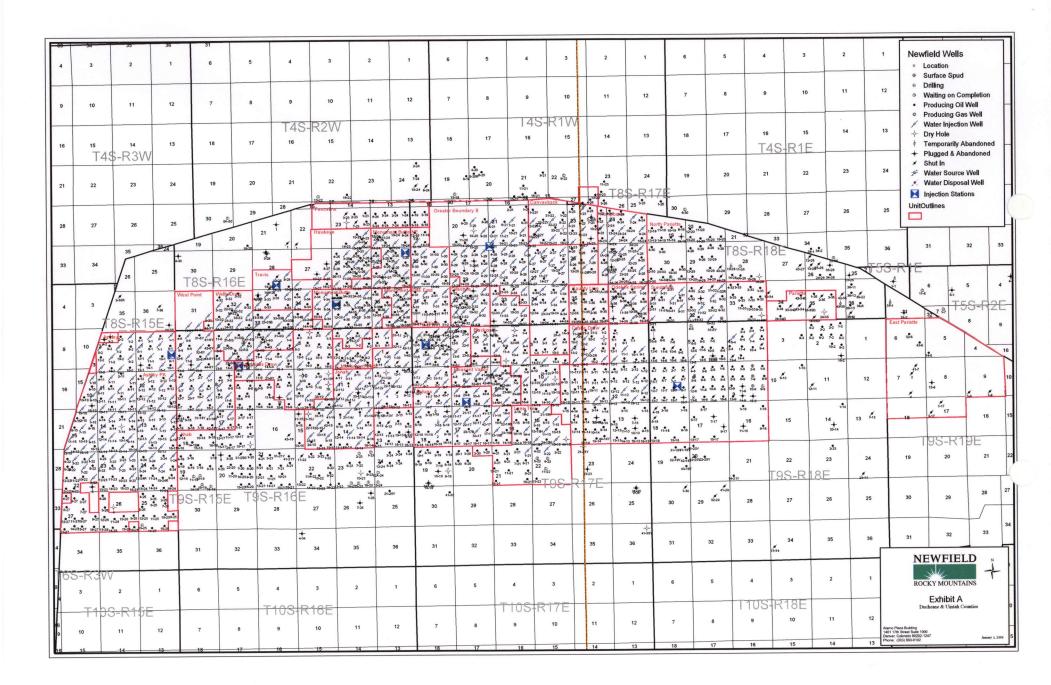
UTU-035521

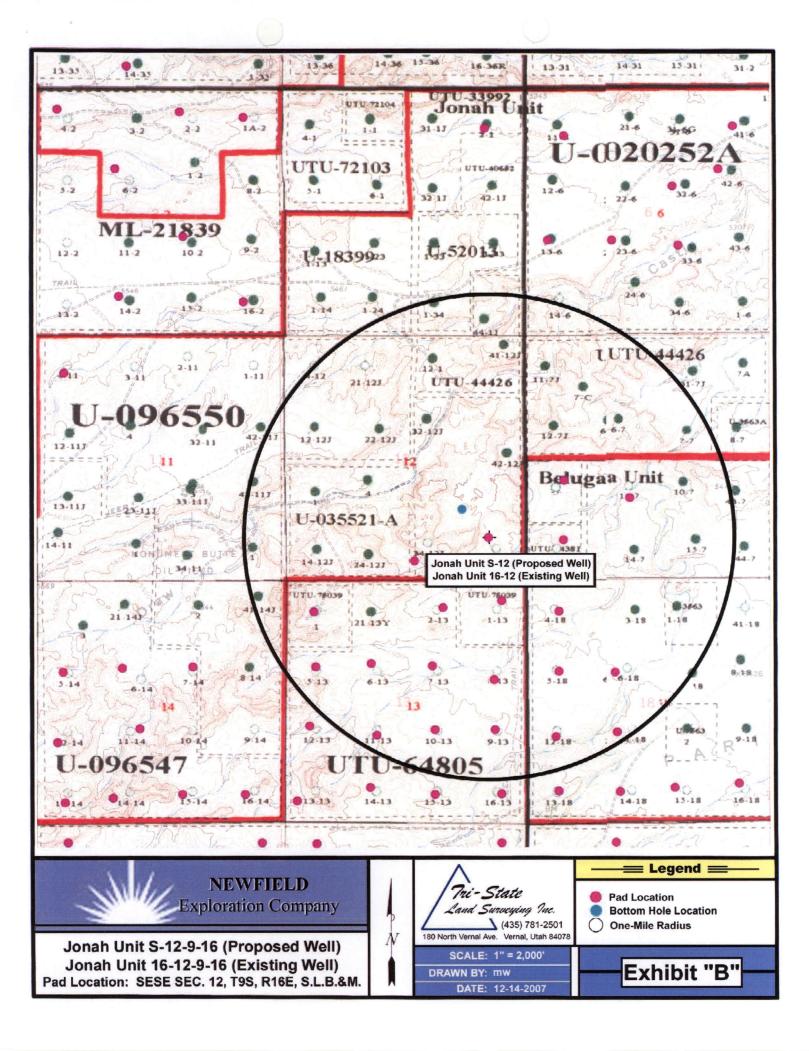














Blowout Prevention Equipment Systems

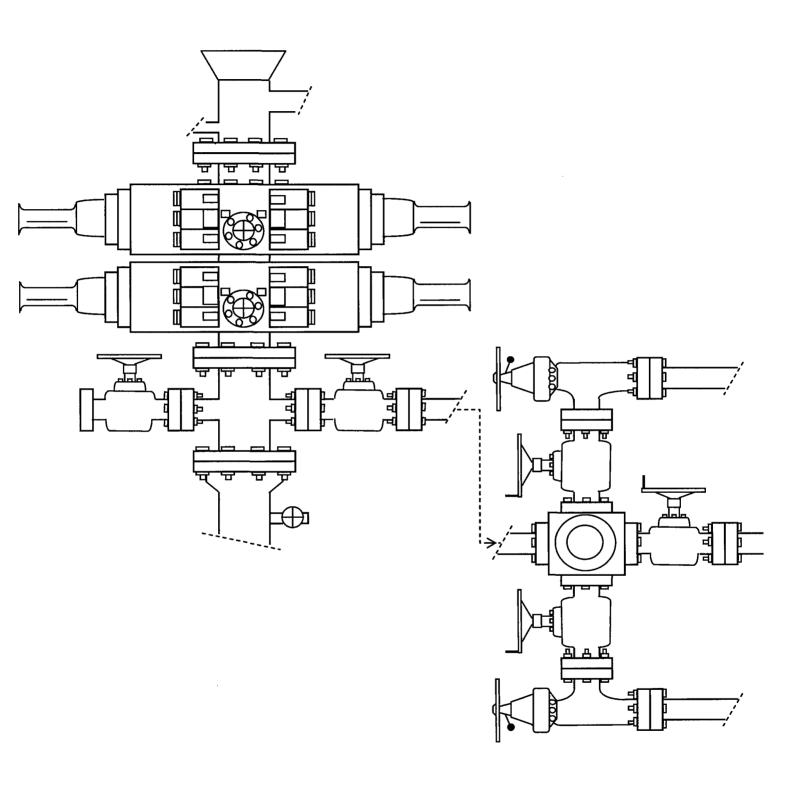
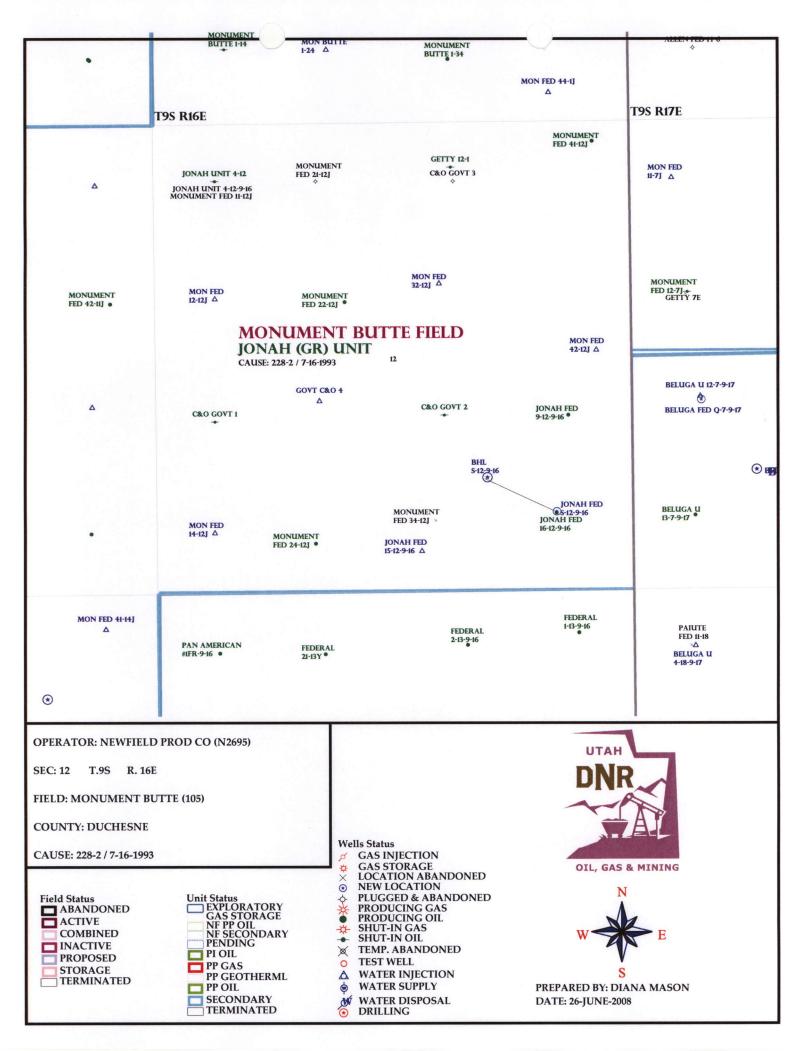


EXHIBIT C

APD RECEIVED: 06/25/2008		API NO. ASSIG	GNED: 43-013	3-34010
WELL NAME: JONAH FED S-12-9-16				
OPERATOR: NEWFIELD PRODUCTION (N2695)		PHONE NUMBER:	435-646-3721	1
CONTACT: MANDIE CROZIER				
PROPOSED LOCATION:		INSPECT LOCATN	BY: /	/
SESE 12 090S 160E SURFACE: 0880 FSL 0842 FEL		Tech Review	Initials	Date
BOTTOM: 1265 FSL 1605 FEL		Engineering		
COUNTY: DUCHESNE		Geology		
LATITUDE: 40.04053 LONGITUDE: -110.0606 UTM SURF EASTINGS: 580140 NORTHINGS: 4432468		Surface		
FIELD NAME: MONUMENT BUTTE (105)		<u> </u>	
LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-035521 SURFACE OWNER: 1 - Federal		PROPOSED FORMA		J
RECEIVED AND/OR REVIEWED: Plat R649-2-3. Unit: JONAH (GRRV) Unit: JONAH (GRRV) Unit: JONAH (GRRV) R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Well Water Permit (No. 43-10136) RDCC Review (Y/N) (Date: (Date:) Fee Surf Agreement (Y/N) Intent to Commingle (Y/N) R649-3-11. Directional Drill			3 210 Siting	
STIPULATIONS: J. L. den O	ate Sil			



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

June 26, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Jonah Unit, Duchesne

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API# WELL NAME LOCATION

(Proposed PZ Green River)

43-013-34010 Jonah Fed S-12-9-16 Sec 12 T09S R16E 0880 FSL 0842 FEL BHL Sec 12 T09S R16E 1265 FSL 1605 FEL

43-013-34011 Jonah Fed N-14-9-16 Sec 14 T09S R16E 1823 FSL 0547 FWL BHL Sec 14 T09S R16E 2540 FSL 1325 FWL

43-013-34012 Jonah Fed H-14-9-16 Sec 14 T09S R16E 1899 FNL 1909 FEL BHL Sec 14 T09S R16E 1195 FNL 2595 FEL

43-013-34013 Jonah Fed I-14-9-16 Sec 14 T09S R16E 1919 FNL 1900 FEL BHL Sec 14 T09S R16E 1148 FNL 1243 FEL

43-013-34014 Jonah Fed K-15-9-16 Sec 15 T09S R16E 1839 FNL 0820 FEL BHL Sec 15 T09S R16E 2590 FSL 0170 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).



June 30, 2008

State of Utah, Division of Oil, Gas and Mining ATTN: Diana Mason PO Box 145801 Salt Lake City, UT 84114-5801

RE: Directional Drilling

Jonah Federal S-12-9-16

Jonah Unit UTU-72086A

Surface Hole: T9S R16E, Section 12: SESE

880' FSL 842' FEL

Bottom Hole: T9S R16E, Section 12

1265' FSL 1605' FEL

Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated June 20, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

Roxann Eveland Land Associate

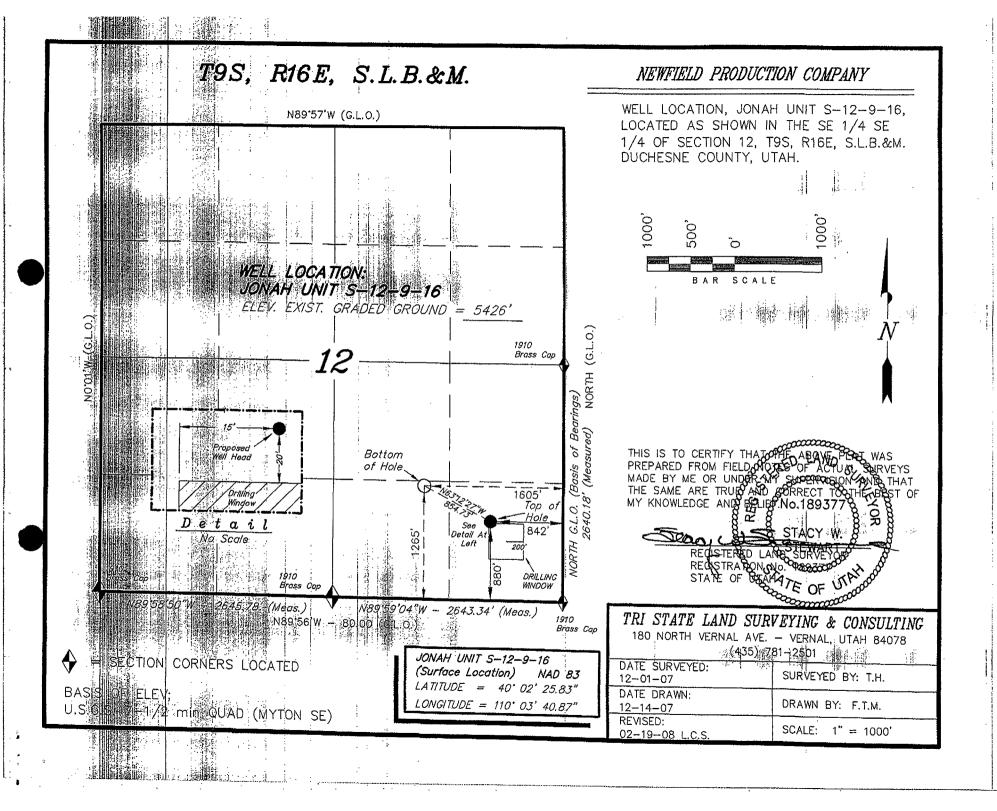
Roxann Eveland

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JUL 0.2 2008

DIV. OF OIL, GAS & MINING

		- And Cabo Co. N. C.		
Form3160-3		CONTROL 2		
(September 2001)		200	FORM APRI OMB No. 10	(OVED-11-04-0136
UNITED STATE	e da		Expires Januar	
DEPARTMENT OF THE I		VIOLENCE OF STREET	5. Lease Serial No.	
BUREAU OF LAND MANA	CEMENT		UTU-035	521
。	A CANADA SERVICE AND		6 If Indian, Allottee or	
ARBLICATION FOR PERMIT TO D	RILLOR REENTER			Fride Name
The state of the s	of State (1980), and the Market of the control of t	1100000	N/A	
la. Type of Work: DRILL REENTE	P		Jaf Unit or CA Agreeme	ent, Name and No.
ALPHA LINE	The second of th		• № 1,811.	
	ing sa kalanggan panggan pangg Panggan panggan pangga		8. Lease Name and Well	No.
1b. Type of Well: Oil Well Gas Well Other	Single Zone U Mult	iple Zone	Jonah Federal S-12-9-	16
2. Name of Operator	, district	10000	9. API Well No.	
Newfield Production Company	·	A STATE OF S	1 3.12.10.10.	
3a. Address	3b. Phone No. (include area code)	152 *	10. Field and Pool, or Expl	
Route #3 Box 3630 Myton UT 84052	(435) 646-3721		1	•
			Monument Butte	
4. Location of Well (Report location clearly and in accordance with	any State requirements.*)	Alfrica Section	11. Sec., T., R., M., or Blk.	and Survey or Area
At surface SE/SE 880°FSL 842' FEL		en emilijanski provinci i se	Non-series expenses and the	
At proposed prod zone 1265 FSL 1605' FEL		CHARGON S.	Sec. 12, T9S R16	E .
14. Distance in miles and direction from nearest town or post office*		and who state of the state of t	Transfer in the second	
Approximation 47777777			12. County or Parish	13. State
Approximately 17.4 miles southwest of Myton, Utah	T	and the same	Duchesne	<u>l UT</u>
15. Distance from proposed* location to nearest	16. No. of Acres in lease	17. Spacin	g Unit dedicated to this well	
property or lease line fi		2000 (A.C.)	and week the first of	
(Also to nearest drig. unit line, if any) Approx. 1035 f/se, 1265 f/unit	420,6300°	1	20 Acres	
18. Distance from proposed location*	19. Proposed Depth	20. BLM/E	BIA Bond No. on file	
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1153'	•			
	5980'	W	/YB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	rt*	23. Estimated duration	
5426' GL	4th Quarter 2008		Approximately seven (7) days from sp	nulf in nin release
	24. Attachments			
TT				
The following, completed in accordance with the requirements of Onshore	Oil and Gas Order No.1, shall be att	ached to this	form;	
1. Well plat certified by a registered surveyor.	4. Bond to cover th			
2. A Drilling Plan.	Item 20 above).	e operation	s unless covered by an exist	ing bond on file (see
3. A Surface Use Plan (if the location is on National Forest System I	ande the 5. Operator certifica			
SUPO shall be filed with the appropriate Forest Service Office).	6. Such other site s	pecific info	rmation and/or plans as may	y be required by the
	authorized officer	ī		
25. Signature	Name (Printed/Typed)		! Date	
	Mandie Crozier		6/2	20/08
Title				
Regulatory Specialist				
Approved by (Signature)	Nama (Printed/Timed)		I Date	
	Name (Printed/Typed)		Date	;
Title			· · · · · · · · · · · · · · · · · · ·	
4.94.5.4	Office			
A II d	t VEV			
Application approval does not warrant or certify the the applicant holds leg operations thereon.	al or equitable title to those rights in t	he subject le	ase which would entitle the a	pplicant to conduct
Conditions of approval, if any, are attached.	e company of the comp			
			<u></u>	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations as to a	crime for any person knowingly and	willfully to	make to any department or a	agency of the United
states day lates, restaudation radications statements of representations as to a	my matter within its jurisdiction,		· · · · · · · · · · · · · · · · · · ·	
*(Instructions on reverse)	e de la companya de l		1994 1 St. 2	
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THIS CONTRACTOR OF THE CONTRAC			, <u>u</u>	

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JUL 0 2 2008







MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 7, 2008

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re:

Jonah Federal S-12-9-16 Well, Surface Location 880' FSL, 842' FEL, SE SE, Sec. 12, T. 9 South, R. 16 East, Bottom Location 1265' FSL, 1605' FEL, SW SE, Sec. 12, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34010.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Duchesne County Assessor

Bureau of Land Management, Vernal Office



Operator:	Newfield Production Company			
Well Name & Number	Jonah Federal S-12-9-16			
API Number:	43-013-34010			
Lease:	UTU-035521			
Surface Location: SE SE Bottom Location: SW SE	Sec. 12 Sec. 12	T. 9 South T. 9 South	R. <u>16 East</u> R. <u>16 East</u>	

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED VERNAL FIELD OFFICE

Form 3160-3 (September 2001) 2008	JUN 25 PM 12 28		FORM APPF OMB No. 10 Expires January	04-0136		
DEPARTMENT OF THE IN	ITERIOR		5. Lease Serial No. UTU-035			
APPLICATION FOR PERMIT TO DE	RILL OR REENTER		6. If Indian, Allottee or			
la. Type of Work: 🗵 DRILL 🔲 REENTER	☑ DRILL ☐ REENTER			7. If Unit or CA Agreement, Name and No.		
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other	☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone			Jonah Unit 8. Lease Name and Well No. Jonah Federal S-12-9-16		
2. Name of Operator	— Single Zone — Marci	pie Zone	9. API Well No.	10		
Newfield Production Company			43-013-34	10		
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Exploratory			
Route #3 Box 3630, Myton UT 84052	(435) 646-3721		Monument Butte			
4. Location of Well (Report location clearly and in accordance with	any State requirements.*)		11. Sec., T., R., M., or Blk	and Survey	or Area	
At surface SE/SE 880' FSL 842' FEL At proposed prod. zone 1265' FSL 1605' FEL			Sec. 12, T9S R16E			
14. Distance in miles and direction from nearest town or post office* Approximatley 17.4 miles southwest of Myton, Utah	4. Distance in miles and direction from nearest town or post office*		12. County or Parish Duchesne	13. S		
15. Distance from proposed*	16. No. of Acres in lease	17 Spacing	Unit dedicated to this well			
location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) Approx. 1035' filse, 1265' flunit	240.00	l spanie	20 Acres			
18. Distance from proposed location*	19. Proposed Depth	20. BLM/B	M/BIA Bond No. on file			
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1153'	5980'	w	VYB000493			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	ırt*	23. Estimated duration			
5426' GL	4th Quarter 2008		Approximately seven (7) days from	spud to rig release	Đ.	
	24. Attachments					
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, shall be att	tached to this	form:			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	I tem 20 above). 5. Operator certific	ation. specific info	s unless covered by an exi rmation and/or plans as m			
25. Signature P	Name (Printed/Typed)		¦ Da	te		
1/ lando Cross	, Mandie Crozier		6	/20/08		
Title Regulatory Specialist			1			
Approved by (Signature)	Name (Printed/Typed)		A	JG 25	2008	
Title / sai rant vald Manager	Office APPRAISE	974 B A	ا المعروب المع			
Landa & Almanai Resources	OFFICE VERNAL F	ielu Vi	*FKZ			
Application approval does not warrant or certify the the applicant holds le operations thereon. Conditions of approval, if any, are attached.	gal or equitable title to those rights in	the subject l	ease which would entitle th	e applicant to	conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as to		nd willfully to	make to any department of	or agency of	the United	
*(Instructions on reverse)			RE	ECEIV	/ED	
1 1			S	EP 16	2008	

NOS OU 04/08 __________AFMSS#_08PRS48A

400610

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company Location: SESE, Sec. 12, T9S, R16E Well No: Jonah Federal S-12-9-16 Lease No: UTU-035521 API No: 43-013-34010 Agreement: Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
		Fax: (435) 781-3420	•

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	 Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	 Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 9 Well: Jonah Federal S-12-9-16 8/21/2008

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

Lease Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

- GIS data show the project area is within Mountain plover habitat. Given that the project area will be directionally drilled from an existing location and no new ground disturbance is proposed then no timing restrictions were applied to the proposed project.
- GIS data show the project area is within Burrowing owl habitat. Given that the project area will be directionally drilled from an existing location and no new ground disturbance is proposed then no timing restrictions were applied to the proposed project.

Follow-up Actions and/or Recommendations:

Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed immediately upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 Pit Fencing Minimum Standards will be strictly adhered to.
 To include 9.2.2.3 Corner posts will be cemented and/or braced in such a manner as to keep
 fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

• The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit.

• When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	Elymus elymoides	3.0	1/4 - 1/2"
Siberian	Agropyron fragile	1.0	1/2"
wheatgrass			
Shadscale saltbush	Atriplex confertifolia	0.50	1/2"
Four-wing saltbush	Atriplex canescens	0.50	1/2"
Gardner's saltbush	Atriplex gardneri	0.50	1/2"
Scarlet	Sphaeralcea	0.10	1/8 - 1/4"
globemallow	coccinea		

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions
 to minimize watershed damage. This limitation does not apply to operation and maintenance of
 producing wells.

Page 5 of 9 Well: Jonah Federal S-12-9-16 8/21/2008

- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

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making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
 Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum
 Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 8 of 9 Well: Jonah Federal S-12-9-16

8/21/2008

OPERATING REQUIREMENT REMINDERS:

• All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
 notified when it is placed in a producing status. Such notification will be by written
 communication and must be received in this office by not later than the fifth business day
 following the date on which the well is placed on production. The notification shall provide, as a
 minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

Page 9 of 9 Well: Jonah Federal S-12-9-16

8/21/2008

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
 Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
 order that a representative may witness plugging operations. If a well is suspended or
 abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
 Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
 plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
 casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Newfield P	roduction Company	
Well Name: Jonah Fed S-12-9	9-16	
API No: 43-013-34010	Lease Type: Federal	
Section 12 Township 09S	Range 16E County Duchesne	
Drilling Contractor Ross Rig	Rig # #21	
SPUDDED:		
Date <u>10-15-08</u>		
Time 3:00 PM		
How_Dry		
Drilling will Commence:_		<u></u>
Reported by Alvin Nielsen		
Telephone #_435-823-7468		
Date 10-16-08	Signed RM	

OPERATOR: NEWFIELD PRODUCTION COMPANY

ADDRESS: RT. 3 BOX 3630

MYTON, UT 84052

OPERATOR ACCT. NO.

N2695

ACTION CURRENT ENTITY NO NEW ENTITY NO. API NUMBER WELL NAME WELL LOCATION COUNTY DATE LONE TREE FEDERAL В 10/6/2008 99999 12417 4301333933 N-15-9-17 **NWSW** 15 98 17E **DUCHESNE** WELL 1 COMMENTS: BHL=NESW ACTION CURRENT NEW API NUMBER WELL NAME WELL LOCATION SPUD **EFFECTIVE** CODE ENTITY NO. ENTITY NO. GO SC TP COUNTY DATE DATE В 99999 12417 4304733934 **LONE TREE C-22-9-17 NWNE** 22 9S 17E UINTAH-10/13/2008 4301333934 Jurhesne GRRU BHL=NWNE ACTION CURRENT NEW API NUMBER WELL NAME WELL LOCATION TP | RG EFFECTIVE SPUD ENTITY NO COUNTY DATE Α 99999 **UTE TRIBAL 11-24-4-2 NESW** 24 45 **2W** -UNTAH-10/14/2008 heshe ACTION CURRENT NEW API NUMBER WELL NAME WELL LOCATION SPUD EFFECTIVE CODE ENTITY NO. ENTITY NO. QQ SC RG COUNTY DATE DATE FED В 99999 12308 **SANDWASH Q-31-8-17** 4301333819 NWSW 88 17E DUCHESNE 10/14/2008 BHL= HWSW ACTION CURRENT NEW API NUMBER WELL LOCATION SPUD EFFECTIVE CODE ENTITY NO ENTITY NO. QQ \$Ç RG COUNTY DATE Α 99999 4304739631 FEDERAL 8-29-9-18 SENE 29 98 18E **UINTAH** 10/9/2008 WELL 5 COMMENTS: ACTION CURRENT NEW API NUMBER WELL NAME WELL LOCATION SPUD **EFFECTIVE** CODE ENTITY NO. ENTITY NO. QQ SC TP COUNTY DATE DATE В 99999 11492 4301334010 **JONAH FEDERAL S-12-9-16** SESE 12 9\$ 16E DUCHESNE 10/15/2008 WELL 5 COMMENTS: BHL= SWSE

A - 1 new entity for new well (single well only)

- B well to existing entity (group or unit well)
- C from one existing entity to another existing entity
- D well from one existing entity to a new entity
- E ther (explain in comments section)

RECEIVED

OCT 2 0 2008

DIV. OF OIL, GAS & MINING

JENTRI PARK

Production Clerk

10/15/08

Date

NOTE: Use COMMENT section to explain why each Action Code was selected

FORM 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM A	PPROVE
OMB No.	1004-013
Expires: b	als/ 31 201

	BUREAU OF LAND MAN	VAGEMENT			Expires: July 31,2010
SUND	RY NOTICES AND REP		1 6	5. Lease Serial	No.
Do not use	this form for proposals	to drill or to re-e	.LO ntor an	USA UTU-03	5521
abandoned	well. Use Form 3160-3 (A	APD) for such or	nnosals	6. If Indian, Allo	ottee or Tribe Name.
		- / .с. сасы р.			
SUBMIT	IN TRIPLICATE - Other	Instructions on	nage 2		
		The Colonia Colonia Colonia	page 2	7. If Unit or CA	/Agreement, Name and/or
1. Type of Well				JONAH UNIT	
Oil Well Gas Well	Other				
2. Name of Operator	Citier Contract			8. Well Name an	IN DONAH FED
NEWFIELD PRODUCTION	COMPANY			JONAH S-12-9	-16
3a. Address Route 3 Box 3630			 -	9. API Well No.	
		3b. Phone (in	clude are code	4301334010	
Myton, UT 84052	·	435.646.3721			ol, or Exploratory Area
4. Location of Well (Footage	e. Sec., T., R., M., or Survey Desc.	ription)		MONUMENT	
	•			11. County or Pa	
SESE Section 12 T9S R16E				71. County of Ta	iiisii, State
DESE Section 12 195 KTOE				DUCHESNE,	UT
12 CHE	K APPROPRIATE POY	EC) TO DIDICA	TO MARKE		
12. 61150	CK APPROPRIATE BOX(ES) TO INIDICA	TE NATU	RE OF NOTICE, OR O	THER DATA
TYPE OF SUBMISSION			TVPE OF	ACTION	
			THEOF	ACTION	
Notice of Intent	Acidize	Deepen		Production (Start/Resume)	☐ Water Shut-Off
Notice of Intent	Alter Casing	Fracture Trea	. 7	Reclamation	
Subsequent Report	Casing Repair	New Constru	7	Recomplete	Well Integrity
Succeedaciii Acepoit	Change Plans	_		•	X Other
Final Abandonment	P	Plug & Aban	don 🛄	Temporarily Abandon	Weekly Status Report
-	Convert to Injector	Plug Back		Water Disposal	
log's TD to surface. PU with 300 sks cement mix	al BLM field, & Roosevelt D .875 hole with fresh water to & TIH with Guide shoe, sho sed @ 11.0 ppg & 3.43 yld. ipple down Bop's. Drop slip	to a depth of 6077 be jt, float collar, 1 The 425 sks cem	". Lay down 55 jt's of 5.9 ent mixed 6	n drill string & BHA. Oper 5 J-55, 15.5# csgn. Set (බ 14 4 ppg & 1 24 vld. F	n hole log w/ Dig/SP/GR @ 6076.15'/ KB. Cement
,					
I hereby certify that the foregoing is	s true and	Title			
correct (Printed/ Typed)			_		
Jim Smith			Foreman		
Signature		Date			
folymore		11/05/20			
	THIS SPACE FO	OR FEDERAL O	R STATE	OFFICE USE	
Approved by			Title	Date	
Conditions of approval, if any, are attach	ed. Approval of this notice does not v	warrant or		Date	
certify that the applicant holds legal or ec	juitable title to those rights in the subj	ect lease	Office		
which would entitle the applicant to cond					
Title 18 II S.C. Section 1001 and Title 43	CITICO Candian 1919 and the Co.				

U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United ny false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

Ctions on page 2)

NOV 0 6 2008 States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

5 1/2" CASING SET @ 6076.15

LAST CASING: 8-5/8" SET @			OPERATOR: Newfield	Production Company
DATUM (KB) 12			WELL: Jonah Fe	d. S-12-9-16
DATUM TO CUT OFF CASING	12		FIELD/PROSPECT:	Monument Butte
DATUM TO BRADENHEAD FLANGE	12		CONTRACTOR & RIG #:	NDSI Rig # 2
DRILLER TD 6077 LOGGER TD	607 0			
HOLE SIZE 7-7/8" TOP FLOAT	COLLAR @	6036.48	_	
TOP S	HORT JT @	3992.01	-	

		LOG OF CAS	SING STRIN	IG:	**	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	Α	14
154	5 1/2"	LT&C CASING	15.5#	J -55	8rd	A	6024.48
1	5 1/2"	FLOAT COLLAR	-	_		A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	38.42
1	5 1/2"	GUIDE SHOE		<u> </u>			0.65
							0.00

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6078.15	155
LESS NON CSG. ITEMS	15.25	~
PLUS FULL JTS. LEFT OUT	239.4	6
TOTAL	6302.3	161
TOTAL CSG. DEL. (W/O THRDS)	6302.30	161

 TOTAL LENGTH OF STRING
 6078.15

 (-) LANDING JT
 14

 (-) AMOUNT CUTOFF
 0

 (+) KB ELEVATION
 12

 CASING SET DEPTH
 6076.15

COMPARE (SHOULD BE EQUAL)

CEMENT DATA	TIME	DATE	7
BEGIN RUN CSG.	11:30 AM	11/4/2008	GOOD CIRC THRU JOB: y
CSG. IN HOLE	3:00 PM	11/4/2008	Bbls CMT CIRC TO SURFACE: 24
BEGIN CIRC	3:15 PM	11/4/2008	RECIPROCATED PIPE: No
BEGIN PUMP CMT	5:20 PM	11/4/2008	DID BACK PRES. VALVÉ HOLD? v
BEGIN DSPL. CMT	6:15 PM	11/4/2008	BUMPED PLUG TO: 2190 PSI
PLUG DOWN	6:33 PM	11/4/2008	-

	<u></u>		CEMENT USED			
CEMENT COMP	PANY:	ВЈ				
STAGE	# SX	CEMENT TYPE & ADDITIVES				
1 (lead)	300	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello				
· · · · · · · · · · · · · · · · · · ·		Flake + 2 lbs	s/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate			
		+ 5 lbs/sack	CSE-2 + 204.7% Fresh Water			
2 (tail) 425	425	(50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5%				
·		bwoc EC-1 +	0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium			
·: 1	<u> </u>	Metasilicate	+ 54.7% Fresh Water			
CENTRALIZER	& SCRATCH	IER PLACEN	IENT (SHOW MAKE & SPACING)			
Centralizers - N	√liddle first,	top second	& third. Then every third collar for a total of 20.			

COMPANY REPRESENTATIVE	Ryan Crum	DATE	11/3/2008
		_	

FORM 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

5. Lease Serial No.

ric.	 	 	

	NOTICES AND REP			USA UTU-035	USA UTU-035521		
	his form for proposals ell. Use Form 3160-3 (/			6. If Indian, Allot	ttee or Tribe Name.		
SUBMIT IN	TRIPLICATE - Other	r Instructions on pa	ge 2	7. If Unit or CA/A JONAH UNIT	Agreement, Name and/or		
1. Type of Well				JONAH UNII			
2. Name of Operator	Other		· · · · · · · · · · · · · · · · · · ·	8. Well Name and			
NEWFIELD PRODUCTION CO	OMPANY			JONAH S-12-9- 9. API Well No.	-10		
3a. Address Route 3 Box 3630		3b. Phone (inclu	de are code)	4301334010			
Myton, UT 84052		435.646.3721			l, or Exploratory Area		
4. Location of Well (Footage,	Sec., T., R., M., or Survey Desc	cription)		MONUMENT I 11. County or Par			
SESE Section 12 T9S R16E				DUCHESNE, U	UT		
12. CHECH	APPROPRIATE BOX	(ES) TO INIDICATI	E NATURE OF	NOTICE, OR O'I	THER DATA		
TYPE OF SUBMISSION			TYPE OF ACTIO	ON			
■ Notice of Intent Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Reclar		Water Shut-Off Well Integrity Other		
Final Abandonment	Change Plans Convert to Injector	Plug & Abandor Plug Back		orarily Abandon Disposal	Spud Notice		
Final Abandonment Notices shall be inspection.) On 10/15/08 MIRU Ross csgn. Set @ 326.09 KB > 1.17 cf/ sk yeild. Retur	Rig # 24.Spud well @ 3 On 10/24/08 cement with	:00 PM. Drill 320' of n 160 sks of class "G	12 1/4" hole with	n air mist. TIH W/ 7	7 Jt's 8 5/8" J-55 24#		
hereby certify that the foregoing is correct (Printed/ Typed) Alvin Nielsen Signature	Wells	Title Drilling F Date 01/05/200	9				
	THIS SPACE F	OR FEDERAL OR	STATE OFFI	CE USE			
Approved by Conditions of approval, if any, are attach	nd Approval of this notice does no		itle	Date	e		
conditions of approval, if any, are attached ertify that the applicant holds legal or equivalent would entitle the applicant to cond	uitable title to those rights in the su	1	ffice				
itle 18 H C Section 1001 and Title 43	IISC Section 1212 make it a ani	me for any person knowingly	and willfully to make	to any department or age	ency of the United		

(Instructions on page 2)

RECEIVED JAN 1 2 2009

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

			8 5/8"	CASING SET A	т	326.09	_		
LAST CASING	314.24	SET AT	326.09		OPERATO	PR	Newfield	Exploration	Company
DATUM		_			WELL				
DATUM TO CUT		NG	2	-			Mon. Butt	:e	
DATUM TO BRA	DENHEAD	FLANGE		_		-		Ross Rig#	24
TD DRILLER	320	LOG	GER						
	12 1/4								
- -				_					
LOG OF CASING	STRING:								
PIECES	OD	ITEM - N	AKE - DES	CRIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
7	8 5/8	Casing (Shoe 38.17)	24	J-55	8rd	A	314.24
1		Well head		•					0.95
1		8 5/8" Gui	de shoe						0.9
						• •			
						ì			
									[
									:
								<u> </u>	· [
CASING INVENT	ORY BAL.		FEET	JTS	TOTAL LE	NGTH OF S	STRING		316.09
TOTAL LENGTH	OF STRING	3	316.09	7	LESS CUT	OFF PIEC	E		2
LESS NON CSG.	ITEMS				PLUS DAT	UM TO T/C	UT OFF CS	G	12
PLUS FULL JTS.	LEFT OUT		0		CASING SE	ET DEPTH			326.09
	TOTAL		316.09	7]				
TOTAL CSG. DEL	(W/O TH	RDS)	316.09	7	} compa	RE			
TI	IMING								
BEGIN RUN CSG	i.	Spud		10/15/2008	GOOD CIR	C THRU JO	OB	Yes	
CSG. IN HOLE			12:00 PM	10/16/2008	Bbls CMT C	CIRC TO S	URFACE	7	
BEGIN CIRC			7:16 AM	10/24/2008	RECIPROC	ATED PIP	No_		
REGIN PLIMP CM	ir		7-25 AM	10/24/2008					

7:37 AM

7:40 AM

BEGIN DSPL. CMT

PLUG DOWN

10/24/2008

10/24/2008

BUMPED PLUG TO 138

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCl2+1/4#sk Cello- Flake mixed @ 15.8ppg 1.17cf/sk yield
CENTRALIZER &	SCRATCH	ER PLACEMENT SHOW MAKE & SPACING
Middle first, top		······································

DATE 10/24/2008

Ryan Crum

COMPANY REPRESENTATIVE

Form 3160-4 (August 2007)

HEGEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

JAN 1 2 2009

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

<u> </u>						TEOOM E				AIID :	LUU			דט	U-035	521		
la. Type o	f Well	Ŋ	Dil Well		Gas Well	Dry	Otl	her								n, Allottee or	Tribe Name	
b. Type o	f Completic	on: 🛂 N	Vew Wel	1 📙	Work Over	Deepen [Plu	ig Back	☐ Dif	f. Resvr	:.,			NA 7		CA Agreeme	nt Nome on	I NB-
			other:					_						FE	DERA	L		i INO.
2. Name on NEWFIE		DRATIO	и сом	IPANY	,											ame and Wel		
3. Address		ST. SUIT	E 1000 DI	ENVER.	CO 80202				a. Phone 435)646		lude a	rea cod	9)		AFI We 013-3			
4. Locatio						lance with Fede	ral red			-3121						nd Pool or Ex	ploratory	
			842	_				_	·							ENT BUTTE		
At suria	ice SL: 88	0' FSL 8	k 1605 '	FEL (SE/SE) SE	C. 12, T9S, F	R16E							11.	Sec., T	., R., M., on I	Block and	
				 .												or Area SEC		
						& 1605' FEL (-						12.	County	or Parish	13. St	ate
At total	lepth 607	7/7	97	FSI	- 1710	O FEL	50	VSI	E 5-1	27	090	5 R1	6E	DU	CHES	NE	UT	
14. Date S 10/15/20	pudded .		15.	Date 1 1/04/20	Γ.D. Reache	d		16. I	Date Com	pleted 1	11/21/	2008				ons (DF, RK	B, RT, GL)	k
18. Total I		D 607	7 60	82	19. Pli	ig Back T.D.;	MD	6036'	D&A				idge Plı		MD	5438' KB		
21 True 1	T\	/D 595	5' 59	90	(Submit cor			59	44	·			cored?	-	TVD	117 (0.1.		
						by of each) EUTRON,GR,	CALL	DER (NT BO	MD		was wei Was DS		1 V		Yes (Submi Yes (Submi		
					gs set in wel				JIVIT DO		1	Direction	al Surve	y? 🗖 ì	10 ∠	Yes (Submi	t copy)	
Hole Size			Wt. (#/ft.)		Cop (MD)	Bottom (MI))		ementer	No.	of Sks	s. &	Slur	ry Vol.	Car	nent Top*	Amou	ınt Pulled
12-1/4"	8-5/8" J		24#		op (NE)	326'	<i>''</i>	De	pth		of Ce		(B	BL)	Cei		Alliot	int runeu
7-7/8"	5-1/2" J		5.5#			6076'				160 C 350 P					54'			· · · · · · · · · · · · · · · · · · ·
	1		0.00	-		10010				475 50					34			
												<u> </u>				·		
				11								•						
	<u></u>																	
24. Tubing		Set (MD)	Pac	ker Dep	th (MD)	Size	11	Depth Se	t (MD)	Packer l	Depth (MD) T	Si	ze	Den	th Set (MD)	Packer	Depth (MD)
2-7/8"		፬ 5021'		4923					/			,				<u> </u>	1	DOPER (IVAD):
25. Produc	ing Intervals Formatio			7	Cop	Dottom	26.		foration I					T 37 .			D. C. C.	
A) GREE				1	ор	Bottom	/B	32) 494	forated Int	ervai		.49"	ize	4	-loles	32	Perf. Statu	IS
B) GREE	N RIVER						- + `	c) 4802				.49"		4		64		······································
C) GREE									0-4650			.49"	•	4		80		
D) GREE	N RIVER						(F	PB10) 4	358-436	8'		.49"		4		40		
27. Acid, F	racture, Tre Depth Inter	atment, C	Cement S	queeze	, etc.	:					170	C 3. /						
4946-495		vai	F	rac w/	34213 # 0	of 20/40 snd	375 h	bls flui		mount a	and Ty	pe of M	ateriai					
4802-481						of 20/40 snd 4												
4630-4650)'		F	rac w/	29466# 2	0/40 snd 403	bbls	fluid										
4358-436			F	rac w/	443513#	20/40 snd 50	4 bbl	s fluid										
28. Product Date First	Test Date		Test		Oil	Gas	Water		Oil Grav	its	Gas	,	Pro	duction M	lethod			
Produced		Tested		etion	BBL		BBL		Corr. AP			vity				20' RHAC P	ump	
11/21/08	12/07/08	24	-		43	35	40											
Choke	Tbg. Press.		24 Hi		Oil		Water		Gas/Oil			ll Statu						
Size	Flwg. SI	Press.	Rate		BBL	MCF	BBL		Ratio		PF	RODU	CING					
00 P I		1.5																
28a. Produc Date First		Hours	Test		Oil	Gas	Water		Oil Gravi	ity	Gas		Proc	luction M	ethod			
Produced	1	Tested	Produ				BBL		Corr. AP			vity	1.00	aucholi IVI	Juliou			
									<u>.</u>									
	Tbg. Press. Flwg.	Csg. Press.	24 Hr Rate				Water BBL		Gas/Oil		Wel	Status						
	SI	. 1033.			DDL	IVICI I	JDL		Ratio									
*(See instr	uctions and	snaces fo	r additio	nal dat	a on page 2)	<u> </u>			<u> </u>				···					
them acc)	asgons and	phaces 10	i additio	na uat	u on page 2)													

201 7	1	1	· · .			· · · · · · · · · · · · · · · · · · ·				,
	luction - Inte Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	Tost Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	Production Memod	
Choke Size	Tbg. Press. Flwg. SI	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	,	
	uction - Inte	rval D Hours	hr	lo:	10.	her .	0.10		b 1 : >< 1 :	
Produced	rest Date	Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
	SI	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
29. Dispos	sition of Ga	S (Solid, us	sed for fuel, ve	ented, etc.)	· · · · · · · · · · · · · · · · · · ·					
USED FOR										
30. Sumn	nary of Poro	us Zones	(Include Aqui	fers):				31. Formati	on (Log) Markers	
Show a includi recover	ng depth int	zones of perval teste	porosity and c d, cushion use	ontents the ed, time to	ereof: Cored i ol open, flowi	intervals and all ng and shut-in p	drill-stem tests, ressures and	GEOLOG	ICAL MARKERS	
										Тор
Forn	nation	Тор	Bottom		Desc	criptions, Conten	ts, etc.		Name	Meas. Depth
								GARDEN GU GARDEN GU		3590' 3798'
			:					GARDEN GU POINT 3	LCH 2	3924' 4149'
							i e	X MRKR Y MRKR		4450' 4486'
								DOUGALS CI BI CARBONA		4609' 4858'
								B LIMESTON CASTLE PEA		4979' 5456'
								BASAL CARB WASTACH	ONATE	5904' 6030'
								TOTAL DEPT	H (LOGGERS)	6070'
32. Additi	onal remark	s (include	plugging proc	edure):						
(GB6)417	72-4178' .4	19" 4/24 <i>4</i>	4712-4178	Frac w/ 3	30097#'s of	20/40 sand in	359 bbls of fluid			
33. Indicat	te which iter	ns have be	en attached by	y placing a	check in the	appropriate boxe	es:		·	
Elect	trical/Mechai	nical Logs	(1 full set req'o	i .)		Geologic Report	☐ DST Re	eport	☑ Directional Survey	
						·				
				ched infor	mation is com				cords (see attached instructions)	•
	ame (please	print) la	TALA	n 🔿			Title Productio			·
Si	gnature	um	etto-	<u> </u>			Date 01/02/200	9		
Title 18 U.s	S.C. Section	1001 and	Title 43 U.S.	C. Section	1212, make it	t a crime for any	person knowingly	and willfully to r	make to any department or agenc	y of the United States any

(Continued on page 3)



Directional Survey Certification

7327 West Barton Road Casper, WY 82604 (307)-472-6621 Fax (307) 472-5439

Operator	Newfield Expl	oration Co.		
Well Name & No.	Jonah Unit S	S-12-9-16		
County & State	Duchesne C	ounty, UT		
SDI Job No.	42DEF08	10911		
Rig	NDS	2		
I,	Julie Cruse	, having personal kr from a measured depth of	nowledge of a	Il the facts, hereby feet to a
measured depth of	· · · · · · · · · · · · · · · · · · ·	nd correct as determined from a		
Julie a	usl	5-Nov-08		
Signatur	e	Date		

Julie Cruse

Rockies Region Engineer Scientific Drilling - Rocky Mountain District



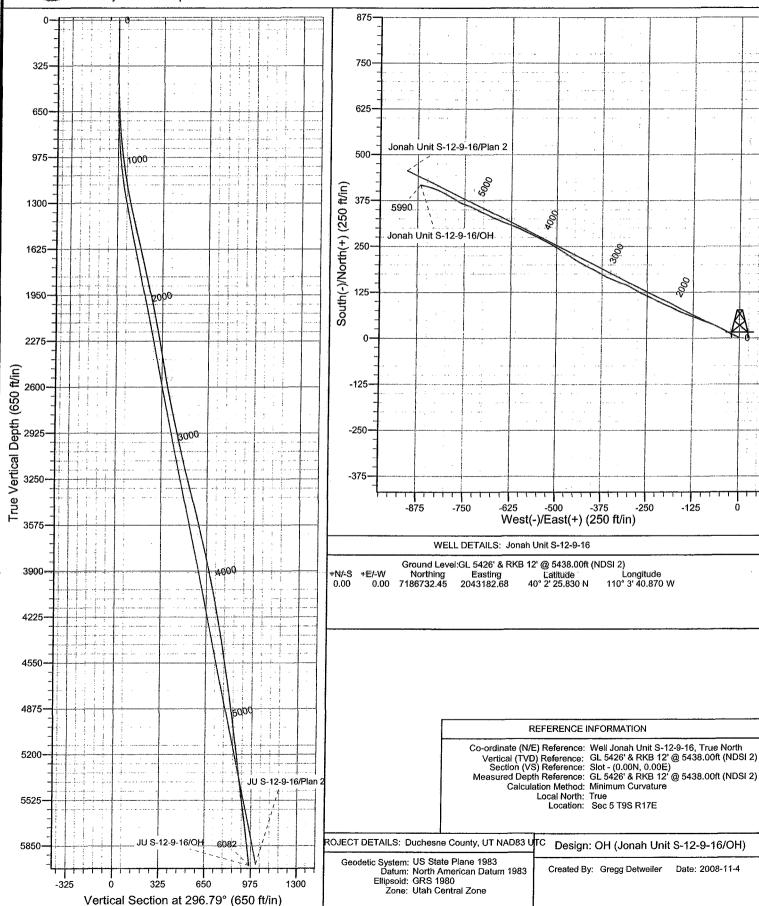
Project: Duchesne County, UT NAD83 UTC

Site: Jonah Unit

Well: Jonah Unit S-12-9-16

Wellbore: OH Design: OH

Newfield Exploration Co.





Newfield Exploration Co.

Duchesne County, UT NAD83 UTC Jonah Unit Jonah Unit S-12-9-16 OH

Design: OH

Standard Survey Report

04 November, 2008



Scientific Drilling

Survey Report

Company:

Newfield Exploration Co.

Project:

Duchesne County, UT NAD83 UTC

Site:

Jonah Unit

Well:

Jonah Unit S-12-9-16

Wellbore: Design:

OH ОН

Local Co-ordinate Reference:

TVD Reference:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2) GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

MD Reference: North Reference:

Survey Calculation Method:

Minimum Curvature

Database:

EDM 2003.16 Multi User DB

Project

Duchesne County, UT NAD83 UTC

Map System: Geo Datum:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Map Zone:

Utah Central Zone

Site

Jonah Unit, Sec 5 T9S R17E

Site Position:

Northing:

7,195,384.71ft

Latitude:

40° 3' 51.060 N

From:

Lat/Long

Easting:

2,044,880.81 ft

Longitude:

110° 3' 17.240 W

Position Uncertainty:

0.00 ft

Slot Radius:

Grid Convergence:

0.93°

Jonah Unit S-12-9-16, 880' FSL 842' FEL Sec 12 T9S R16E Well

Well Position

+N/-S +E/-W

0.00 ft 0.00 ft Northing: Easting:

7,186,732.45 ft 2,043,182.68 ft

Latitude: Longitude: 40° 2' 25.830 N

Position Uncertainty

0.00 ft

Wellhead Elevation:

Ground Level:

110° 3' 40.870 W 5,426.00 ft

Wellbore

OH

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

Field Strength (nT)

IGRF2005-10

10/20/2008

11.64

65.87

52,557

Design

Audit Notes: Version:

OH

Phase:

ACTUAL

Tie On Depth:

0.00

Vertical Section:

Depth From (TVD)

(ft)

+N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (°) 296.79

0.00

Survey Program

(ft)

From

To (ft)

Survey (Wellbore)

Date 11/4/2008

Tool Name

Description

353.00

6,082.00 Survey #1 (OH)

MWD

MWD - Standard

Su	rvey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
353.00	0.20	102.94	353.00	-0.14	0.60	-0.60	0.06	0.06	0.00
First MWD	Survey								
384.00	0.20	101.65	384.00	-0.16	0.71	-0.70	0.01	0.00	-4.16
414.00	0.07	252.07	414.00	-0.18	0.74	-0.74	0.88	-0.43	501.40
445.00	0.45	316.70	445.00	-0.09	0.64	-0.61	1.37	1.23	208.48
476.00	0.96	308.22	476.00	0.15	0.35	-0.24	1.67	1.65	-27.35
507.00	1.16	306.87	506.99	0.50	-0.10	0.32	0.65	0.65	-4.35
537.00	1.69	302.00	536.98	0.92	-0.72	1.06	1.81	1.77	-16.23
568.00	2.02	294.84	567.97	1.39	-1.61	2.06	1.30	1.06	-23.10
599.00	2.56	292.98	598.94	1.89	-2.74	3.30	1.76	1.74	-6.00
629.00	2.92	293.82	628.91	2.46	-4.05	4.73	1.21	1.20	2.80
660,00	3.51	294.99	659.86	3.18	-5.64	6.47	1.91	1.90	3.77



Scientific Drilling

Survey Report

Newfield Exploration Co. Company: Project:

Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit

Wellbore:

Jonah Unit S-12-9-16

ОН Design: ОН Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: **Survey Calculation Method:**

Database:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2) GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

Minimum Curvature

EDM 2003.16 Multi User DB

ey .									
Measured Depth (ft)	inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
691.00	3.81	292.04	690.79	3.97	-7.45	8.44	1.14	0.97	-9.52
721.00	4.28	292.58	720.72	4.77	-9.41	10.55	1.57	1.57	1.80
752.00	4.65	290.64	751.63	5.66	-11.65	12.95	1.29	1.19	-6.26
783.00	5.11	293.04	782.51	6.64	-14.10	15.58	1.62	1.48	7.74
814.00	5.40	293.97	813.38	7.78	-16.70	18.42	0.97	0.94	3.00
845.00	5.66	297.07	844.24	9.06	-19.40	21.40	1.28	0.84	10.00
877.00	6.13	297.60	876.07	10.57	-22.32	24.69	1.48	1.47	1.66
909.00	6.60	298.31	907.87	12.24	-25.45	28.23	1.49	1.47	2.22
941.00	7.09	299.80	939.64	14.09	-28.78	32.04	1.63	1.53	4.66
972.00	7.51	297.39	970.39	15.97	-32.24	35.98	1.68	1.35	-7.77
1,004.00	7.90	299.13	1,002.10 1,033.79	18.01	-36.02	40.27 44.75	1.42	1.22	5.44 0.87
1,036.00 1,067.00	8.22 8.63	299.41 297.75	1,053.79	20.20 22.37	-39.93 -43.92	49.29	1.01 1.54	1.00 1.32	-5.35
•									
1,099.00	8.84 9.22	297.86 296.79	1,096.08 1,127.68	24.64 26.94	-48.22 -52.68	54.15 59.17	0.66 1.30	0.66 1.19	0.34 -3.34
1,131.00 1,162.00	9.22 9.91	296.79 297.87	1,127.68	26.94 29.31	-52.68 -57.26	59.17 64.32	2.30	2.23	-3.34 3.48
1,102.00	10.49	296.39	1,189.75	31.89	-62.30	69.99	1.99	1.81	-4.62
1,226.00	10.69	294.31	1,221.20	34.41	-67.62	75.87	1.35	0.62	-6.50
1,258.00	11.20	294.17	1,252.62	36.90	-73.16	81.94	1.60	1.59	-0.44
1,289.00	11.43	294.17	1,283.02	39.40	-73.10 -78.70	88.01	0.75	0.74	0.65
1,321.00	11.81	291.21	1,314.36	41.90	-84.64	94.44	2.32	1.19	-9.87
1,353.00	12.35	292.60	1,345.65	44.40	-90.85	101.11	1.92	1.69	4.34
1,385.00	12.79	291.32	1,376.89	47.00	-97.31	108.05	1.63	1.37	-4.00
1,416.00	13.24	292.53	1,407.09	49.61	-103.79	115.01	1.70	1.45	3.90
1,448.00	13.58	293.04	1,438.22	52.48	-110.63	122.41	1.12	1.06	1.59
1,480.00	13.77	291.35	1,469.31	55.34	-117.6 3	129.95	1.38	0.59	-5.28
1,511.00	13.75	291.26	1,499.42	58.02	-124.50	137.29	0.09	-0.06	-0.29
1,543.00	13.34	291.23	1,530.53	60.73	-131.49	144.75	1.28	-1.28	-0.09
1,575.00	13.15	290.72	1,561.68	63.36	-138.34	152.04	0.70	-0.59	-1.59
1,607.00	13.05	288.96	1,592.85	65.82	-145.16	159.24	1.29	-0.31	-5.50
1,638.00 1,670.00	13.16 13.14	291.54 292.88	1,623.04 1,654.20	68.25 71.00	-151.75 -158.49	166.22 173.48	1.92 0.95	0.35 -0.06	8.32 4.19
1,702.00	12.80	293.54	1,685.38	73.83	-165.09	180.65	1.16	-0.06 -1.06	2.06
•	12.80	297.07	1,715.61	76.77		187.51	2.52	0.00	11.39
1,733.00 1,765.00	12.80	297.07 296.26	1,715.61	76.77 79.94	-171.3 0 -177.61	187.51	2.52 0.60	-0.22	-2.53
1,797.00	12.96	294.74	1,778.02	83.00	-184.04	201.69	1.28	0.72	-4.75
1,829.00	12.94	292.96	1,809.21	85.90	-190.59	208.85	1.25	-0.06	-5.56
1,860.00	13.02	293.01	1,839.42	88.62	-197.00	215.80	0.26	0.26	0.16
1,892.00	13.21	295.54	1,870.58	91.61	-203.62	223.05	1.89	0.59	7.91
1,924.00	13.06	296.68	1,901.75	94.81	-210.15	230.32	0.94	-0.47	3.56
1,955.00	12.41	298.07	1,931.98	97.95	-216.22	237.16	2.32	-2.10	4.48
1,987.00	12.14	296.79	1,963.25	101.08	-222.26	243.96	1.20	-0.84	-4.00
2,019.00	11.99	298.08	1,994.54	104.16	-228.19	250.65	0.96	-0.47	4.03
2,051.00	11.91	298.13	2,025.85	107.28	-234.04	257.27	0.25	-0.25	0.16
2,082.00	11.80	296.75	2,056.19	110.22	-239.69	263.64	0.98	-0.35	-4.45
2,114.00	11.44	295.10	2,087.53	113.04	-245.48	270.08	1.53	-1.12	-5.16
2,146.00	11.63	295.67	2,118.89	115.78	-251.27	276.48	0.69	0.59	1.78
2,177.00	11.76	295.15	2,149.24	118.48	-256.94	282.76	0.54	0.42	-1.68
2,209.00	11.82	294.16	2,180.57	121.20	-262.88	289.30	0.66	0.19	-3.09
2,241.00	11.37	296.09	2,211.92	123.93	-268.71	295.72	1.86	-1.41	6.03
2,273.00	10.73 10.41	298.01 299.42	2,243.32 2,273.80	126.72 129.45	-274.17 -279.16	301.86 307.54	2.31 1.33	-2.00 -1.03	6.00 4.55
2,304.00 2,336.00	10.41	302.75	2,305.27	132.42	-279.16 -284.09	313.28	1.89	-0.25	10.41
2,000.00	.0.00	002.70	2,000.21	102.72	201.00	0.0.20	1.00	0.20	10.71

Scientific Drilling Rocky Mountain Operations

Scientific Drilling

Survey Report

Company:

Newfield Exploration Co.

Project:

Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit Jonah Unit S-12-9-16

Wellbore:

ОН

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

Minimum Curvature

ign:	ОН			Databas	se:		EDM 2003.16	Multi User DB	
⁄ey			.3						
Measure Depth (ft)		Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,400.		300.37	2,368.33	138.13	-293.40	324.17	0.59	-0.28	-3.12
2,431.	.00 9.80	297.42	2,398.89	140.65	-297.97	329.38	1.73	0.65	-9.52
2 , 463.		295.16	2,430.42	143.08	-302.89	334.87	1.28	0.41	-7.06
2,494.	.00 9.86	291.10	2,460.96	145.17	-307.78	340.18	2.26	-0.23	-13.10
2,526.	.00 10.36	290.10	2,492.46	147.14	-313.04	345.76	1.66	1.56	-3.12
2,558.		288.92	2,523.96	149.04	-318.38	351.38	1.22	-1.03	-3.69
2,590.		291.93	2,555.47	150.98	-323.60	356.92	1.64	0.03	9.41
2,621.0		292.82	2,585.99	153.03	-328.59	362.30	0.51	-0.10	2.87
2,653.0		292.66	2,617.47	155.27	-333.93	368.07	2.47	2.47	-0.50
2,685.0	00 11.43	294.01	2,648.87	157.71	-339.59	374.22	2.13	1.97	4.22
2,717.0		291.16	2,680.22	160.17	-345.49	380.60	1.88	0.59	-8.91
2,748.0		291.10	2,710.56	162.45	-345.49 -351.41	386.91	1.00	1.26	-0.29
2,780.0		293.99	2,741.85	165.02	-357.60	393.60	1.20	0.53	9.12
2,812.0		296.58	2,773.10	167.97	-363.83	400.48	2.36	1.59	8.09
2,843.0		299.32	2,803.35	171.15	-369.83	407.27	1.95	-0.23	8.84
2,875.0		299.54	2,834.56	174.63	-375.99	414.35	1.04	1.03	0.69
2,907.0		299.72	2,865.73	178.22	-382.30	421.59	0.95	0.94	0.56
2,939.0		299.47 297.42	2,896.87	181.84	-388.67	428.91	0.19	-0.06	-0.78
2,970.0			2,927.09	185.14	-394.77	435.85	2.41	-1.90	-6.61
3,002.0		295.37	2,958.35	188.17	-400.87	442.66	2.58	-2.19	-6.41
3,034.0		294.09	2,989.66	190.95	-406.89	449.28	0.83	0.06	-4.00
3,066.0		295.61	3,020.93	193.80	-413.05	456.07	2.13	1.87	4.75
3,097.0		297.91	3,051.16	196.89	-419.17	462.92	2.17	1.42	7.42
3,129.0	00 13.05	298.55	3,082.34	200.30	-425.53	470.13	0.48	0.16	2.00
3,161.0	00 13.43	299.62	3,113.49	203.87	-431.93	477.46	1.41	1.19	3.34
3,192.0		300.38	3,143.66	207.42	-438.09	484.56	1.23	-1.10	2.45
3,224.0	00 13.16	300.49	3,174.83	211.10	-444.35	491.81	0.23	0.22	0.34
3,256.0	00 13.57	302.02	3,205.96	214.94	-450.68	499.18	1.69	1.28	4.78
3,288.0	00 14.32	303.78	3,237.02	219.13	-457.15	506.85	2.69	2.34	5.50
3,319.0	00 14.57	304.72	3,267.04	223.48	-463.54	514.52	1.11	0.81	3.03
3,351.0	00 14.23	303.14	3,298.03	227.93	-470.14	522.41	1.62	-1.06	-4.94
3,383.0		302.08	3,329.08	232.11	-476.68	530.13	1.43	-1.19	-3.31
3,415.0		301.36	3,360.14	236.15	-483.22	537.79	0.62	0.31	-2.25
3,446.0		301.19	3,390.20	240.08	-489.68	545.33	1.07	1.06	-0.55
3,478.0		301.61	3,421.20	244.22	-496.47	553.26	0.79	0.72	1.31
3,510.0		300.30	3,452.20	248.29	-503.26	561.15	1.56	-1.19	-4.09
3,541.0		299.96	3,482.27	252.09	-509.79	568.69	0.31	-0.16	-1.10
3,573.0		300.69	3,513.32	255.99	-516.46	576.41	0.86	-0.66	2.28
3,605.0		298.65	3,544.43	259.70	-522.97	583.89	2.52	-2.03	-6.37
'									
3,637.0		298.52	3,575.58	263.21	-529.42	591.23	0.30	0.28	-0.41
3,668.0 3,700.0		297.15 296.57	3,605.74 3,636.87	266.55 269.91	-535.74	598.37 605.80	1.02	0.10	-4.42
3,700.0		294.60	3,668.00	273.10	-542.37 -549.04	613.20	0.70 1.72	0.56 -0.97	-1.81 -6.16
3,763.0		295.19	3,698.19	276.07	-549.04 -555.43	620.24	0.67	-0.97 -0.52	-6.16 1.90
•									
3,795.00		294.36	3,729.37	279.08	-561.95	627.42	0.71	-0.41	-2.59
3,827.00		294.91	3,760.55	282.09	-568.52	634.64	0.84	0.75	1.72
3,859.00		295.25	3,791.72	285.16	-575.07	641.87	0.58	-0.53	1.06
3,890.00		294.79	3,821.93	288.10	-581.38	648.83	0.36	-0.13	-1.48
3,922.00		296.13	3,853.12	291.18	-587.85	655.99	0.94	-0.06	4.19
3,954.00		294.45	3,884.33	294.20	-594.23	663.05	1.59	-1.09	-5.25
3,986.00		295.27	3,915.57	297.11	-600.51	669.96	0.84	-0.62	2.56
4,017.00		294.99	3,945.86	299.91	-606.48	676.56	0.58	-0.55	-0.90
4,049.00		293.21	3,977.16	302.62	-612.54	683.19	1.89	-1.50	-5.56
4,081.00	0 11.38	292.05	4,008.51	305.09	-618.46	689.58	1.31	-1.09	-3.62



Scientific Drilling

Survey Report

Company: Project:

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit

Jonah Unit S-12-9-16

Wellbore: Design: OH OH Local Co-ordinate Reference:

TVD Reference:

North Reference:

Survey Calculation Method: Database:

Well Jonah Unit S-12-9-16

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2) GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

True

Minimum Curvature EDM 2003.16 Multi User DB

Survey

ey									
Measure Depth (ft)		Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,112.		289.31	4,038.92	307.22	-624.11	695.59	1.96	-0.94	-8.84
4,144.		289.44	4,070.34	309.23	-629.82	701.59	1.13	-1.12	0.41
4,176.		289.87	4,101.77	311.25	-635.47	707.55	0.53	0.47	1.34
		291.72	4,133.21	313.37		713.48			
4,208.			•		-641.05		1.33	-0.78	5.78
4,239.	00 10.26	292.02	4,163.70	315.46	-646.27	719.08	1.21	-1.19	0.97
4,271.	00 10.07	292.20	4,195.20	317.59	-651.50	724.71	0.60	-0.59	0.56
4,302.0		294.71	4,225.71	319.75	-656.49	730.15	1.46	0.32	8.10
4,334.0		294.49	4,257.22	322.09	-661.58	735.74	0.61	-0.59	-0.69
4,366.0		296.62	4,288.73	324.49	-666.62	741.32	1,23	0.41	6.66
4,397.0		297.57	4,319.26	326.95	-671.42	746.71	0.84	-0.65	3.06
,									
4,429.0		298.60	4,350.79	329.52	-676.24	752.17	0.74	-0.50	3.22
4,461.0	00 9.42	296.67	4,382.34	331.99	-680.95	757.50	1.44	-1.03	-6.03
4,493.0	00 9.24	296.00	4,413.92	334.29	-685.60	762.69	0.66	-0.56	-2.09
4,524.0		295.26	4,444.53	336.41	-690.02	767.59	1.01	-0.94	-2.39
4,556.0		293.56	4,476.15	338.45	-694.51	772.52	0.96	-0.50	-5.31
-		293.45		340.36					
4,588.0			4,507.78		-698.91	777.30	1.06	-1.06	-0.34
4,619.0		292.44	4,538.45	342.14	-703.09	781.84	0.50	-0.16	-3.26
4,651.0		295.72	4,570.10	344.06	-707.39	786.54	1.55	0.37	10.25
4,683.0		298.72	4,601.75	346.23	-711.61	791.28	1.39	0.06	9.37
4,715.0	00 8.58	300.34	4,633.39	348.57	-715.75	796.04	0.76	0.12	5.06
4,746.0	00 8.14	298.35	4,664.06	350.78	-719.68	800.54	1.70	-1.42	-6.42
4,778.0		297.24	4,695.75	352.86	-723.62	804.99	1.00	-0.87	-3.47
		295.52		354.78					
4,810.0			4,727.46		-727.48	809.30	1.06	-0.78	-5.37
4,841.0		294.77	4,758.19	356.52	-731.19	813.40	0.33	-0.06	-2.42
4,873.0	00 7.57	293.03	4,789.91	358.23	-735.05	817.61	0.72	-0.06	-5.44
4,905.0	00 7.35	291.68	4,821.64	359.81	-738.89	821.75	0.88	-0.69	-4.22
4,937.0		290.65	4,853.38	361.28	-742.68	825.80	0.50	-0.28	-3.22
4,968.0		289.01	4,884.13	362.60	-746.35	829.67	0.70	-0.23	-5.29
5,000.0		289.50	4,915.89	363.90	-750.06	833.56	0.93	-0.91	1.53
5,032.0		291.75	4,947.66	365.25	-753.65	837.38	0.85	-0.09	7.03
3,032.0					-733.03				
5,063.0		294.44	4,978.43	366.71	-757.09	841.11	1.13	0.42	8.68
5,095.0	0 7.09	297.43	5,010.19	368.43	-760.62	845.03	1.18	0.28	9.34
5,127.0	0 7.16	297.54	5,041.94	370.26	-764.14	849.00	0.22	0.22	0.34
5,159.0	0 7.23	299.68	5,073.69	372.18	-767.65	853.01	0.87	0.22	6.69
5,190.0		302.36	5,104.43	374.24	-771.08	856.99	1.61	1.16	8.65
5,222.0		302.33	5,136.15	376.51	-774.66	861.22	0.19	0.19	-0.09
5,254.0		302.92	5,167.87	378.79	-778.22	865.42	0.47	-0.41	1.84
5,284.6		301.44	5,198.31	380.85	-781.49	869.26	2.00	-1.91	-4.83
JU S-12	-9-16 Target								
5,286.0	0 6.91	301.37	5,199.62	380.93	-781.62	869.42	2.00	-1.90	-5.25
5,317.0		299.94	5,230.42	382.71	-784.62	872.90	2.92	-2.87	-4.61
E 040 0		200.47	E 262 25	384.34					
5,349.0		299.47	5,262.25		-787.48	876.18	0.80	-0.78	-1.47
5,381.0		300.86	5,294.08	386.00	-790.33	879.48	1.10	1.00	4.34
5,413.0		301.67	5,325.89	387.82	-793.33	882.98	1.25	1.22	2.53
5,444.0		300.88	5,356.68	389.66	-796.36	886.51	0.59	0.52	-2.55
5,476.0	0 6.68	299.11	5,388.47	391.52	-799.57	890.21	0.65	0.12	-5.53
5,508.0	0 7.31	298.14	5,420.23	393.38	-802.99	894.11	2.00	1.97	-3.03
5,539.0		297.98	5,450.96	395.30	-806.59	898.18	1.61	1.61	-0.52
5,571.00		296.78	5,482.66	397.31	-810.47	902.55	0.57	0.25	-0.52 -3.75
5,603.00		296.05	5,514.38	399.20				0.20 4.60	
					-814.28	906.81	1.62	-1.59	-2,28 5 4 5
5,634.00	0 6.99	294.36	5,545.13	400.85	-817.79	910.68	1.43	-1.26	-5.45
5,666.00	0 6.46	292.70	5,576.91	402.35	-821.22	914.42	1.76	-1.66	-5.19
5,698.00		291.08	5,608.70	403.71	-824.60	918.06	0.78	0.53	-5.06
5,730.00		290.74	5,640.48	405.07	-828.16	921.84	1.26	1.25	-1.06
5,761.00		290.38	5,671.23	406.43	-831.78	925.69	0.91	0.90	-1.16



Scientific Drilling

Survey Report

Company:

Newfield Exploration Co.

Project:

Duchesne County, UT NAD83 UTC

Site: Well: Jonah Unit

Wellbore:

Jonah Unit S-12-9-16

Design:

OH ОН

Local Co-ordinate Reference:

TVD Reference:

Well Jonah Unit S-12-9-16

MD Reference:

GL 5426' & RKB 12' @ 5438.00ft (NDSI 2) GL 5426' & RKB 12' @ 5438.00ft (NDSI 2)

North Reference:

Survey Calculation Method: Database:

Minimum Curvature EDM 2003.16 Multi User DB

Survey	
-	

leasured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,793.00	7.15	289.20	5,702.98	407.79	-835.57	929.69	0.68	-0.50	-3.69
5,825.00	7.00	289.27	5,734.74	409.09	-839.29	933.59	0.47	-0.47	0.22
5,857.00	6.65	287.81	5,766.51	410.30	-842.90	937.36	1.22	-1.09	-4.56
5,888.00	6.56	286.37	5,797.30	411.35	-846.31	940.87	0.61	-0.29	-4.65
5,920.00	6.91	286.13	5,829.08	412.40	-849.91	944.56	1.10	1.09	-0.75
5,952.00	7.09	286.38	5,860.84	413.49	-853.65	948.39	0.57	0.56	0.78
5,983.00	6.94	283.41	5,891.61	414.46	-857.31	952.10	1.27	-0.48	-9.58
6,015.00	6.66	283.82	5,923.39	415.36	-860.99	955.79	0.89	-0.87	1.28
6,030.00	6.33	282.92	5,938.29	415.75	-862.64	957.44	2.30	-2.20	-6.00
6,082.00	6.33	282.92	5,989.97	417.03	-868.23	963.00	0.00	0.00	0.00

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
JU S-12-9-16 Target - actual wellpath r - Circle (radius 75		0.00 center by	- 1	385.25 284.73ft MD	-762.99 (5198.36 T\	7,187,105.38 /D, 380.85 N, -78	2,042,413.60 31.49 E)	40° 2' 29.637 N	110° 3' 50.681 W
JU S-12-9-16 PBHL - actual wellpath r - Circle (radius 75		0.00 center by	5,980.00 108.17ft at	385.25 6059.99ft ME	-762.99 O (5968.10 T	7,187,105.38 VD, 416.49 N, -8	2,042,413.60 865.87 E)	40° 2' 29.637 N	110° 3' 50.681 W

		y .	
	·	*	
Checked By:	Approved By:	Date:	

STATE OF UTAH

,`	DEPARTMENT OF NATURAL	RESOURCES		
	5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-035521			
SUNDRY	Y NOTICES AND REP	ORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to di wells, or to drill horizon	7. UNIT or CA AGREEMENT NAME: JONAH UNIT			
1. TYPE OF WELL: OIL WELL	8. WELL NAME and NUMBER: JONAH S-12-9-16			
2. NAME OF OPERATOR:	9. API NUMBER:			
NEWFIELD PRODUCTION COM	IPANY			4301334010
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630 4. LOCATION OF WELL:	CITY Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE
FOOTAGES AT SURFACE:				COUNTY: DUCHESNE
OTR/OTR, SECTION, TOWNSHIP, RANGE	MERIDIAN: SESE, 12, T9S, R16E			STATE: UT
	PRIATE BOXES TO INDICA			ORT, OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
☐ NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE T	REAT	SIDETRACK TO REPAIR WELL
Approximate date work will	CASING REPAIR	NEW CONSTI	RUCTION	TEMPORARITLY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR C	HANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND A	BANDON	VENT OR FLAIR
X SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION	N (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATI	ON OF WELL SITE	OTHER: - Weekly Status Report
02/20/2009	CONVERT WELL TYPE	RECOMPLET	E - DIFFERENT FORMATION	
	DMPLETED OPERATIONS. Clearly shows completed on 01/21/09, attached	-	-	
NAME (PLEASE PRINT) Jentri Pari	Mu		Production Clerk DATE 02/20/2009	
(This space for State use only)				RECEIVED

FEB 2 3 2009

Daily Activity Report

Format For Sundry JONAH S-12-9-16 11/1/2008 To 3/28/2009

11/14/2008 Day: 1

Completion

Rigless on 11/13/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5991' cement top @ 54'. Perforate stage #1 B2 sds @ 4946-54' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 144 BWTR. SIFN.

11/18/2008 Day: 2

Completion

Rigless on 11/17/2008 - Day 2a. Stage #1, B2 sds. RU BJ Services. 125 psi on well. Frac B2 w/ 34,213#'s of 20/40 sand in 375 bbls of Lightning 17 fluid. Broke @ 3148 psi. Treated w/ ave pressure of 2150 psi @ ave rate of 23.2 BPM. ISIP 2275 psi. Leave pressure on well. 519 BWTR. See Day 2b. Day 2b, Stage #2 C sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 16' perf gun. Set plug @ 4840'. Perforate C sds @ 4802-18' w/ 3-1/8" Slick Guns (.35"EH, 22.7 gram, 90°, 39" pen, Titan) w/ 4 spf for total of 64 shots. RU BJ Services. 1410 psi on well. Frac C sds w/ 55,806#'s of 20/40 sand in 485 bbls of Lightning 17 fluid. Broke @ 1673 psi. Treated w/ ave pressure of 2218 psi w/ ave rate of 18.7 BPM. ISIP 2534 psi. Leave pressure on well. 1004 BWTR. See day 2c Day 2c, Stage #3 D1 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 20' perf gun. Set plug @ 4680'. Perforate D1 sds @ 4630-50' w/ 3-1/8" Slick Guns (.35"EH, 22.7 gram, 90°, 39" pen, Titan) w/ 4 spf for total of 80 shots. RU BJ Services, 1758 psi on well. Frac D1 sds w/ 51,261#'s of 20/40 sand in 447 bbls of Lightning 17 fluid. Broke @ 2672 psi. Treated w/ ave pressure of 2082 psi w/ ave rate of 18.7 BPM. ISIP 2237 psi. Leave pressure on well. 1451 BWTR. See day 2d. Day 2d, Stage #4 PB10 sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4410'. Perforate PB10 sds @ 4358-68' w/ 3-1/8" Slick Guns (.35"EH, 22.7 gram, 90°, 39" pen, Titan) w/ 4 spf for total of 40 shots. Could not frac due to BJ pump break down. SWIFN.

11/19/2008 Day: 3

Completion

Rigless on 11/18/2008 - Day 3a, Stage #4 PB10 sds. RU BJ Services. 375 psi on well. Frac PB10 w/ 40,513#'s of 20/40 sand in bbls of Lightning 17 fluid. Broke @ 3451 psi. Treated w/ ave pressure of 2099 psi @ ave rate of 23.2 BPM. ISIP 2322 psi. Leave pressure on well. 1840 BWTR. See Day 3b. Day 3b, Stage #5 GB6 sds. RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf gun. Set plug @ 4240'. Perforate GB6 sds @ 4172-78' w/ 3-1/8" Slick Guns (.35"EH, 22.7 gram, 90°, 39" pen, Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1350 psi on well. Frac GB6 sds w/ 30,097#'s of 20/40 sand in 359 bbls of Lightning 17 fluid. Broke @ 3914 psi. Treated w/ ave pressure of 2167 psi w/ ave rate of 23.3 BPM. ISIP 2028 psi. Begin immediate flowback on 24/64 choke @ 3 BPM. Flowed for hrs & died. Rec BTF. SIWFN w/ BWTR.

11/20/2008 Day: 4

Completion

Western #2 on 11/19/2008 - MIRU Western #2. 75 psi on well. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH 4 3/4" chomp bit, bit sub & 136- jts of 2 7/8" J-55 tbg. Tagged sand @ 4201'. RU Nabors power swivel. Circulate sand & drill out plugs as follows: Sand @ 4201', Plug @ 4240' (Drilled out in 29 mins), No sand, Plug @ 4410' (Drilled out in 17 mins), Sand @ 4609', Plug @ 4680' (Drilled out in 19

mins), Tagged sand @ 4818', Plug @ 4840' (Drilled out in 30 mins). Circulate well clean w/ EOT @ 4856'. Drain pump & lines. SIWFN w/ 1747 BWTR.q

11/21/2008 Day: 5

Completion

Western #2 on 11/20/2008 - 25 psi on tbg, 50 psi on csg. Bleed off pressure. Continue to TIH w/ tbg. Tagged fill @ 5691'. C/O to PBTD @ 6036'. LD 2 jts of tbg.. EOT @ 5970'. RU swab equipment. IFL @ sfc. Made 12 runs, Rec 152 BTF, FFL @ 1800', Trace of oil, No sand. RD swab equipment. TIH w/ 2 jts of tbg. Tagged fill @ 6024'. C/O to PBTD @ 6036'. LD 33 jts of tbg. TOH w/ 30 jts of tbg. EOT @ 4085'. SIWFN w/ 1718 BWTR.

1/22/2009 Day: 6

Completion

Western #2 on 1/21/2009 - 50 psi on tbg, 50 psi on csg. Bleed off pressure. Continue to TIH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2- jts, SN, 1-jt, 159 jts of 2 7/8" J-55 tbg. ND BOP. Set TA w/ 16,000#'s of tension @ 4923', SN @ 4957', EOT @ 5021'. NU WH. Flush tbg w/ 60 BW. Prime up rod pump. PU & RIH w/ "A" grade rod string as follows: "CDI" 2 1/2" X 1 3/4" X 20' RHAC, 21,000# shear coupling, 4- 1 1/2" wt bars, 193- 7/8" guided rods (8 per), 1-8',1-6',1-4', 2-2' X 7/8" ponie rods, 1 1/2" X 22' polish rod. Hang head, Space out rods. Fill tbg w/ 3 BW. Pressure test to 800 psi w/ unit. RDMOSU. POP @ 3:30pm w/ 122" SL @ 5 SPM. 1735 BWTR. FINAL REPORT!!!!

Pertinent Files: Go to File List